

**HUNTERS POINT SHIPYARD  
RESTORATION ADVISORY BOARD  
Wednesday, February 25, 1998**

**DRAFT MEETING MINUTES**

**LOCATION:** San Francisco City College  
2<sup>nd</sup> Floor Lounge  
1400 Evans Avenue  
San Francisco, CA

**PURPOSE:** To provide: (1) a discussion and vote on the Community Co-Chair, (2) a presentation on Parcel E Feasibility Study orientation, (3) an update on the Parcel B Remedial Design, (4) a discussion on the TAPP Grant Program, and (5) a discussion of recommendations for agenda items for the next RAB meeting and future field trips.

These minutes summarize the items discussed during the RAB meeting; they are not a verbatim transcript. Attachment A provides the attendance list, Attachment B provides the meeting agenda and Attachment C provides the presentation handout materials.

**FACILITATOR:** Doug Kern

**I. Welcoming Remarks/General Announcements**

Doug Kern called the meeting to order at 6:15 p.m. and welcomed all attendees. He asked for any changes to the agenda. Mr. Kern suggested that item two on the agenda, discussion and vote on a community co-chair, be delayed until later that evening, since one of the prospective nominees was not yet in attendance. Eight community RAB members were noted as present at that time.

Mike McClelland, Base Environmental Coordinator and Navy Co-Chair, announced that the draft Parcel E Feasibility Study is out for review; the comment period has been extended to March 31, 1998. Copies of the document are available at both the Anna E. Waden Public Library and the San Francisco Main Public Library. He also announced that the Remedial Action Implementation Work Plan for Parcel B by IT Corp. was submitted January 30, 1998, with comments due on March 23, 1998. It details implementation of the cleanup for Parcel B.

Chein Kao, DTSC, announced his resignation from the RAB because he has accepted a new position with another State agency. A replacement has not yet been identified. He noted his enjoyment in working with the RAB and wished board members best of luck. Mr. Kern thanked Mr. Kao, in turn, for his efforts on behalf of the RAB.

## **II. Parcel E Draft Feasibility Study Orientation**

Mr. McClelland explained that the Feasibility Study (FS) will take all of the information gathered on Parcel E and examine the various options for cleanup. He noted the importance of the document and reminded the RAB that the comment period on the document has been extended to the end of March.

Jim Sickles of Tetra Tech EM Inc., distributed a public summary on the draft FS, noting that a more in-depth discussion will be held at the March RAB meeting. He explained that Parcel E is geographically the largest part of the HPS facility, and contains the widest range of environmental problems, as well. The FS report identifies and reviews eight different cleanup options. These options are each evaluated against nine different factors, to include: whether the cleanup remedy is protective of human health and the environment; compliance with applicable state and federal environmental laws; how effectively each cleanup option reduces the toxicity, mobility and volume of the contaminants; and the feasibility of implementing each of the options.

Mr. Sickles explained the organization of the FS document as follows:

- Section I provides an introduction and overview of the document
- Section II summarizes the findings of the environmental investigations, what contaminants were found and where, and describes possible risk if associated with the contaminants present
- Section III discusses how the site is divided into cleanup units (one remedy may handle several sites with a common contaminant)
- Section IV reviews the various cleanup technologies and the technologies being considered
- Section V provides a detailed analysis of the effectiveness of each of the technologies and constructs a series of cleanup alternatives thought to best address the problems

Mr. Sickles stated that the Navy will solicit public input on the cleanup options before an option is selected. A fact sheet will be prepared on the options, and the results of the evaluation of the options, for distribution to the public. A 30-day public comment period will be held, followed by a public meeting to take additional comment. Once all comments have been received and considered, the Navy will select a final cleanup plan.

Mr. Sickles noted that some of the options evaluated for soil cleanup include a multi-layer cap for the landfill and northwest debris area; a single layer cap placed over some of the contaminated soil; excavation of the soil and either used on-site or hauled off-site for disposal; and deed restrictions. Options for groundwater cleanup include installing an underground steel barrier wall to prevent groundwater movement from Parcel E into the bay and to prevent bay waters from infiltrating Parcel E; installing an interceptor trench in conjunction with a sheet piling wall to collect groundwater which will be discharged either to the bay or the City sewage plant; and encapsulation of the contamination by placing an underground steel barrier around the contamination and capped; but would require a deed restriction.

Greg Freeman asked if the deed restrictions weren't an easy out for the Navy. Mr. Sickles replied that in some areas it might be physically impossible to remove the contaminants, and to keep in

mind that deed restriction is only one of a list of options. Dorothy Peterson questioned the impact that discharge of the water would have on the sewage plant considering the existing operational problems of the plant now. Mr. Sickles noted that the City may choose not to accept the water if it presents additional problems for its plant, noting that the City is aware of and will be involved in the process. Ms. Peterson noted that raw sewage sometimes runs down the street during heavy rains because the treatment plant cannot handle the excess water, and asked if the Navy will be bringing information to the community on plans to use the sewage treatment plant. Mr. Sickles stated that the public meeting will inform the community and solicit their input.

Marie Harrison stated she recalled recent discussion about the Navy using a trench to discharge groundwater into the sewer line but thought it was a one time only action. Mr. Sickles confirmed that this was an interim removal action; the Parcel E groundwater cleanup option is a long-term, permanent solution. He added, however, that an effort is made to make the final solution compatible with the interim action, if possible. Clair Trombadore, U.S. EPA, clarified that the Navy received permission from the City to discharge water to the sewage treatment plant during the storm drain removal action. She noted that the water quality had to meet City criteria before acceptance and that a permit was obtained for each batch of discharged water. She also noted that the City is not likely to accept water discharged from HPS if it will overwhelm the treatment system, particularly during the rainy season.

Ms. Harrison asked if the water was treated before sending it to the plant during the 18-month groundwater discharge period. Ms. Trombadore affirmed that the water was passed through a filtering system, which removes solvents, prior to discharge to the City system. Mr. Sickles noted that the City will likely look more closely at the process of groundwater discharge by the Navy to the City system since it will be done on a long-term basis. Amy Brownell, San Francisco Department of Public Health, stated that the City might want to include contingency plans to turn off the discharge during storm events.

David Gavrich noted an even bigger concern may be posed when the entire base is ultimately tied into the City system and will have to handle a large mass of water. Mr. McClelland noted that at present, HPS has two separate systems-the storm drains discharge to the bay and the sanitary sewer discharges to the treatment plant. The City has considered upgrading the base by combining the two systems into one, and additionally, to make a large tunnel or surge tank, to take care of overload problems on the south end of the City. The \$150 million cost to the City to build the tunnel, however, may delay the project.

Mr. Dacus asked about the life span and durability of the sheet piling and protective cap. Mr. Sickles responded that the design life of the sheet piling is 25 years, and 25 or more years for the cap. Ms. Trombadore explained that because the area is a Superfund site, the remedies will have to be thoroughly reviewed every five years to determine their effectiveness, and replaced as necessary. Ms. Shirley asked if the 25 year durability of the sheet piling includes use in salt water. Mr. Sickles replied that it does, and that the piling may actually last much longer than 25 years. Ms. Shirley asked if other types of barriers have been explored. Mr. Sickles noted that other barriers, such as slurry walls, have also been considered, but it depends on the location and the

type of underlying surface, such as bay mud or bedrock.

Mark Youngkin asked if the sheet piling will ever need to be replaced. Mr. Sickles stated that even with a 25-year or more life span, the sheet piling will likely have to be replaced sometime in the future since the remedy is long-term. Jill Fox asked if the costs for monitoring and replacement of the wall were included in the Navy's option cost estimates. Mr. McClelland indicated that they were not since it is unknown what the cost of replacement will be in 25 years or what advancements will be made in technology. The cost of maintenance is included in the estimates, however, over a 25-year period. Mr. Freeman asked if there is money available through Superfund to cover maintenance costs of the sites. Ms. Trombadore stated that Superfund money is not available to federal facilities, and that the Navy must cover the cost of the cleanup.

Mr. Gavrich recalled reading in a past feasibility study that Parcel E contained a significant amount of radioactive material. Mr. Sickles stated that radium dials were disposed of in the landfill; they are scattered in a 600 foot by 600 foot area between the surface and down to an eight foot depth. The Parcel E RI report details the investigation and the FS report evaluates the cleanup options. Mr. Sickles noted that the total amount of radium is very small, about the size of an aspirin, because only a small particle of radium is used in paint for the dials. He added that none of the radium has migrated into the water and there is none on the ground surface. Mr. McClelland pointed out that the soil coverage prevents the radium from having any effect on humans. Sheryl Lauth, U.S. EPA, stated that her agency will ask for the dials to be removed. Mr. Sickles stated that a contractor licensed in radioactive waste handling would separate the dials from the soil, place them in a radioactive materials storage container and haul them off-site for proper disposal. The soil left behind would not be radioactive but would contain other chemical contaminants. He pointed out that some of the cleanup alternatives become complex because a variety of remedies may be required to handle the different aspects of a site.

Mr. Youngkin asked how long the landfill will exist. Mr. Sickles replied that it will stay in place permanently. Mr. Youngkin then asked if the Navy will return every 50 years for replacement of the sheet piling. Ryan Brooks, EFA West, noted that it will be the Navy's responsibility to check the sheet piling every five years, and to replace it as necessary. Ms. Shirley asked if the Navy considered a strategic source removal on the landfill. Mr. Sickles noted that in Appendix D of the FS, the option of removal of the landfill contents is explored. He added that either all of it or none of it would have to be removed since the contents are largely unknown; there could be no partial or selective removals.

Mr. Gavrich asked if the Navy has considered obtaining funds from the Trust for Public Lands to convert the land into wetlands to help fund the cleanup. He noted that there may be some creative approaches to finance a solution. Mr. Sickles replied that one of the options evaluates putting in a wetlands, and also noted that the City has discussed creating wetland areas at HPS. He indicated it would be worth looking into if the effort could be locked into the cleanup timeframe. Mr. McClelland noted that further exploration of this option would have to go through the City. Ms. Lauth pointed out that safety, as well as cost, is at issue. Ms. Fox stated that the City reuse agency might be the group to approach. Mr. Freeman stated that the San



Francisco airport is proposing to the City to create wetlands on HPS Parcels B and E in tradeoff for wetlands that will be destroyed in their remedy expansion plans.

Mr. Youngkin asked about the ballpark cost to excavate the landfill. Luann Tetirick, EFA West, stated the range is estimated to be between \$81 and 200 million; the cost variation is based on the amounts of Class I and Class II wastes requiring disposal, with excavation to between a 25 and 45 foot depth. Mr. Kern requested that the RAB members consider their written comments on the Parcel E drafts FS. More in-depth discussion will be held at the March RAB meeting.

### **III. Parcel B Remedial Design Update**

Mr. McClelland introduced Jill Finnegan as the new Remedial Project Manager for Parcel B. Ms. Finnegan in turn introduced Don Marini and Vince Kelsey, contractors with IT Corp. handling some of the cleanup activities at Parcel B. Mr. Kelsey stated that he has prepared cost estimates for off-site soil removal based on some known factors, such as the fact that soil can be trucked off-site. Unknown factors include the condition of the rails if the soil is moved out by rail car, and the characterization of the soil depending on the contamination levels. Trucking was selected for developing the cost estimates, however, Mr. Kelsey did not discount the use of rail; pending further investigation.

Mr. Shirley requested that a list of the unknowns be prepared so that RAB members could help gather information to address the needed information. Ms. Peterson requested that the information be presented to the community in more understandable terms. Mr. Brooks offered to work with Mr. Kelsey to prepare some information that would aid in the community's understanding of the process, and present it to the RAB at the March meeting.

Ms. Shirley requested review of the procedure that will be used to keep dirt and dust off the trucks when they travel through the neighborhood. Mr. Marini noted that in past excavations, a decontamination area was set up on site for the trucks. In this area, the ground is covered with crushed rock and the truck is driven into the area, the body and tires are cleaned off, and then it is inspected to ensure the soil in the truck is securely covered and sealed by a flexible tarp. The air in the decontamination area is monitored and if particulate levels reach a certain level, dust suppression measures or shut down will occur. Personnel working in this area wear protective clothing, although respirators are not typically required. At completion of the soil removal process, the contents of the area will be hauled off for disposal.

Jim Bunker of Double Rock-Rail Service expressed concern that a misunderstanding had resulted from comments he had made at the November RAB meeting regarding rail rehabilitation costs. He noted that the \$60-80,000 cost of track rehabilitation he estimated would represent repair of all of the track on base, however, all of that may not be necessary to handle soil removal by rail for Parcel B. He also expressed concern that IT Corp. stated it does not have all the information available to move soil by rail because he feels Double Rock has demonstrated they can move the soil anywhere necessary. Mr. Martini stated that the main issue is the timing of track repair. Mr.

Bunger replied that the cost of track repair will be born by Double Rock and would not be built into the contract.

Ms. Trombadore stated that the Navy wants to begin the cleanup as soon as possible and that it was still uncertain as to when track repairs could be completed. Mr. Bunger replied that track can be ready by April or May to meet the Navy's timeframe. Mr. Marini noted that it is uncertain the number of railcars that will be needed especially in the first year because most of the soil is anticipated to be removed in the second year. Mr. Bunger requested that the option of rail not be precluded on the perceived condition of the rail.

Ms. Trombadore commented that the Navy may try to use both truck and rail options, and that both may be beneficial depending on the timing, logistics, and soil characterizations as the project progresses. She suggested that an IT Corp. representative bring a video of their trucking operations and procedures to the next RAB meeting. Ms. Fox stated that IT Corp. is giving the impression that they want to use only trucking and are delaying the decision until rail supporters give up. She expressed her concern over past truck hauling operations, where trucks have hauled clean soil into the site uncovered, allowing dust to be blown through the neighborhoods. She pointed out that information was provided on rail operations at the November RAB meeting and is unsure why IT Corp. stated it does not yet have enough information on rail. Ms. Fox reiterated that community members have requested that rail be considered as an option since last March, and asked why Double Rock had to approach the RAB, rather than IT Corp. approaching Double Rock. Mr. Kern suggested that the involved parties meet on-site to look at the condition of the rails and resolve some outstanding issues.

Michael Hamman commented that he would like the Navy to share their questions with the RAB so that they can be resolved, and asked for an explanation of how the categorization of the contaminated soil will effect use of either rail or truck. Mr. Marini explained that rail lines are fixed structures and that the two main areas which will require the largest volumes of soil removal do not have rail tracks. Therefore, these areas will require trucks to move the soil between the excavation site and the rail cars. It is unknown what costs will be entailed by this process.

Mr. Kelsey noted that Class II hazardous waste is less expensive to transport and dispose of than Cal Haz Waste, but the quantities of these two types of contaminated soil in Parcel B are presently unknown. Caroline Washington asked if it is possible to extend the rail tracks to the excavation site. Mr. Bunger replied that it could be done but it would be a significant job.

Ms. Peterson asked if the trucking and rail options would be contracted out. Mr. Marini stated that there is an open bidding process and that there is an active community outreach program to inform the local community about contracting opportunities. Ms. Harrison asked if the same decontamination procedures would apply to the rail cars as to the trucks. Mr. Marini stated that the rail cars would be lined, and the contents covered and sealed with plastic.

Mr. Gavrich noted that he is a representative of ECDC, a disposal facility. He stated that rail was used for the Parcel A cleanup, which moved 1,200 tons of soil using 12 rail cars at a cost of about

\$60.00 per ton. He noted that the rates supplied by his company to IT Corp. included the on-base transportation as well as hauling to their off-site facility. He stated that the only real unknown is the categorization of soil into the class types. The rail option cannot compete if most of the soil is Class II. It would, however, be the most cost effective option if most of the waste is Cal Haz. Mr. Kelsey noted that characterization of the soil would not begin until May or June. Mr. Marini stated that it is helpful to get these clarifications, but added that the difficulty in making the project a viable business deal is that the volume of soil for each classification is yet unknown. Mr. Gavrich responded that there is currently plenty of usable track on the base to serve the needs of this project.

Mr. Marini noted that much of the in-place track is not located within an Installation Restoration (IR) site and asked if loading Cal Haz material outside of the IR site poses a problem. Ms. Trombadore responded that Class I Resource Conservation and Recovery Act (RCRA) waste has to be handled within the area of contamination. She noted, however, that rail cars would likely be considered containers, and therefore, could hold the RCRA waste as long as it is removed within 90 days. Mr. McClelland pointed out that the rail cars are required to be loaded within a certain time period or the Navy will incur additional charges. The soil would have to be left in the IR site while awaiting classification, rather than loaded into rail cars until the soil is classified.

Mr. Hamman asked for an estimate on the total quantity of contaminated material. Mr. Kelsey responded that for estimate purposes only, the percentages used were 75 percent Cal Haz, 20 percent Class II and 5 Percent Class I; this represents the worst case scenario. Mr. Kern encouraged all parties to discuss the issues and try to resolve the concerns presented.

#### **IV. Election of Community Co-Chair**

Mr. Freeman suggested that there be more than one community co-chair position so that the responsibility can be shared among several people. Mr. Brooks noted that the idea of a rotating co-chair had been discussed in the past. Ms. Fox suggested that rather than a rotating co-chair, each co-chair be placed in charge of a particular area. She noted as an example, Leon Thibeaux's ties with the reuse board and Ms. Washington's active role in the community as strengths they bring to the board. Ms. Fox offered to help work with the Navy on RAB meeting agendas. Ms. Peterson stated she thought having several co-chairs would be a good idea, so that it would not be so burdensome on one person.

There was general agreement amongst RAB members to have multiple co-chairs. Mr. Brooks offered to work with the co-chairs to detail out how to share the duties and report back at the next RAB meeting. Mr. Kern recommended that Ms. Washington, Mr. Thibeaux, Ms. Peterson and Ms. Fox meet informally to discuss their roles. A motion was made to have a group of four individuals manage the affairs of the co-chair. A vote was taken and the motion was unanimously approved. Ms. Fox stated that they will choose one of the four to serve as the point of contact to Mr. McClelland.

## **V. TAPP Program**

Ryan Brooks, Director of Community Relations at EFA West, noted he provided an overview of the Technical Assistance for Public Participation (TAPP) program at the November RAB meeting. He stated that the program began a year ago by Department of Defense, in recognition of the need to provide technical assistance for RABs. There are several types of projects eligible for request of TAPP funds, although the primary use is for reviewing technical documents. He noted that review of the HPS Parcel E FS would be an applicable use of TAPP funds.

Ms. Peterson asked for clarification on the types of technical training eligible under the TAPP program. Mr. Brooks responded that technical training would include using a contractor to explain the CERCLA process or the Installation Restoration Program to RAB members, or training RAB members how to interpret documents. It was noted that Chris Shirley, through ARC Ecology, has provided similar technical assistance in reviewing documents.

Mr. Brooks explained that the money from the program is not a grant, but comes out of the site cleanup funds. There is an annual limit of \$25,000, and a maximum of \$100,000 over the lifetime of the cleanup. The proposed project has to be generated from the RAB community members, and so agreement must be reached before an application can be submitted.

Mr. Brooks stated that the TAPP process begins when a completed application is submitted to Mike McClelland. He will then forward it to Mr. Brooks who will deliver it to the contracting office. The contracting office will solicit several bids through a competitive bid process, and select a contractor. The maximum award is limited to \$25,000 to streamline and speed up the acquisition process. Mr. Brooks offered to work with the RAB members to complete an application. The RAB can make a recommendation of a contractors to use on the project.

Ms. Brownell recommended that the RAB make sure their request is for services they can't already get through the current CLEAN contractor or through the regulatory agencies, so that money is spent wisely. Mr. Brooks noted that he will work with the RAB to ensure the services requested can't already be provided. He recommended that the RAB submit an application as quickly as possible. Although there is no deadline, Mr. McClelland pointed out that funding requests made after July are less likely to be awarded because of the approach to the end of the fiscal year. Mr. Brooks stated he would work on the application with RAB members once a RAB subcommittee is formed.

## **VI. Future Agenda Items**

Ms. Trombadore requested an update on the status of the Technical Assistance Grant (TAG) awarded to Social and Environmental Justice (SAEJ) organization. She asked if TAPP money can be used to extend a TAG project. Mr. Brooks indicated that it could, but would still have to go through the TAPP application process. Mr. Bunker offered to show a video of rail loading operation. Ms. Brownell stated that the Redevelopment Agency would like to provide an update

at the next RAB meeting.

Silk Gaudin stated that she had previously been a RAB member, but had stopped participating due to health problems. She indicated she would like to reactivate her membership. Mr. Brooks offered to send her a membership form, and Mr. Kern encouraged her to continue to attend the meetings.

Mr. Hamman asked how an individual building is determined suitable for reuse. Mr. McClelland explained that an Environmental Baseline Survey (EBS) is required as part of the Base Realignment and Closure (BRAC) process. The EBS looks at potential health hazards on the property. This process is performed when the City approaches the Navy with interest in a particular building or property. A Finding of Suitability to Lease (FOSL) is then initiated which is based strictly on the environmental hazards of the site.

Ms. Peterson asked when the shipyard is intended to be turned over to the City. Mr. McClelland replied that the Navy was intending to enter into a Lease of Furtherance and Conveyance with the City by March 1, 1998. Before this could happen, however, the National Environmental Policy Act (NEPA) and California Environmental Quality Act (CEQA) process must be completed. The EIS/EIR document recently presented to the public, as part of the NEPA/CEQA requirements, raised a lot of public comment, which will delay finalization of the documents to closer to the end of the year. The EIS/EIR document must be approved by the City Commissioners and the Deputy Assistant Secretary to the Navy before the Navy and the City can enter into a Lease of Furtherance and Conveyance. Once this lease is signed, the City will assume operations at HPS, and give them the opportunity to enter into long term leases. This will start the redevelopment of the base. This will hopefully be in place by the end of the year. He added that Parcel A will be transferred to the City at that time, and that Parcel B is targeted for transfer by the end of 2000.

Mr. Hamman asked if there was a list of buildings that have been approved for occupancy. Mr. McClelland stated that most of the buildings that have been approved are leased out. Ms. Brownell noted that a list can be provided by June Bartholomew at the Redevelopment Agency.

Mr. Kern adjourned the meeting at 8:40 p.m.

**The next RAB meeting will be held on Wednesday, March 25, 1998, at the City College, 6:00 p.m.**

**ATTACHMENT A**  
**MEETING AGENDA**

**AGENDA  
HUNTERS POINT SHIPYARD  
RESTORATION ADVISORY BOARD**

**DATE:** February 25, 1998

**LOCATION:** SF City College  
2<sup>nd</sup> Floor  
1400 Evans Avenue  
San Francisco

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| 6:00 | 1. Call to order and Announcements<br><br>(Upcoming Documents and Activities)   |
| 6:05 | 2. Discussion and vote on Community Co-Chair<br><br>(We will have a chance to hear from Community Members who wish to be elected Community Co-Chair and vote) |
| 6:35 | 3. Parcel E Feasibility Study Orientation<br><br>(We will have a short orientation on the Parcel E FS: how it is organized and what to look for)              |
| 7:05 | 4. Parcel B Remedial Design Update<br><br>(This will be a continuation of the discussion on the Parcel B Remedial Design and Remedial Action.)                |
| 7:35 | 5. Discussion of TAPP Grant Program<br><br>(Opportunity to talk about the TAPP Grant Program for RABs)  |
| 7:55 | 6. Recommendations for Agenda Items for next RAB meeting and future field trips   |
| 8:00 | 7. Adjournment  |

**ATTACHMENT B**

**RAB MEETING ATTENDANCE SHEETS**



**HUNTERS POINT SHIPYARD**  
**Restoration Advisory Board Meeting Attendance**

Date: Feb. 25, 1998

<b>RAB MEMBER</b>	<b>Present</b>	<b>ALTERNATE</b>	<b>Present</b>
Vanessa Banks			
Bernestine Beasley			
Bill Billotte			
Sy-Allen Browning			
<del>Wendy Drummer-Koch</del>			
Anthony Bryant			
Robert Christian			
Therese Coleman			
Percy A. Coleman			
Charles L. Dacus, Sr.	✓		
Alonzo L. Douglas	✓		
Vida Edwards			
Janet Ellis			
Laurie Espinoza			
Manuel J. Ford	✓		
Jill Fox here	✓		
Bonnie Fraenza			
Greg Freeman here			
Michael Harris			
James A. Heagy			
David E. Jackson			
Helen Jackson			

RAB MEMBER	Present	ALTERNATE	Present
Henrietta Jones			
Doug Kern	OK		
Anthony LaMell			
Scott Madison			
Mamie Matthews			
Khafra K. Omra Zeti			
Hali Papazian			
Dorothy Peterson	X		
Rev. J.P. Pryor			
Christine Shirley	X		
Carol E. Tatum	Formerly S:lk V.T. Gaudin		
Leon Thibeaux			
Erlinda B. Villa			
Caroline Washington	X		
Mrs. Oceola Washington			
Gwendolyn Westbrook			
Nathanial White III			
Andre Williams			
Patricia Wright			
Mark Youngkin	MY		
S:lk V.T. Gaudin	X		
MAKLE HARRISON	P		

REGULATORS	Present	Agency
Amy Brownell	ARB	S.F. Dept. Of Public Health
John Chester		S.F. Dept. of Public Works, Site Assessment Remediation Division
Byron Rhett		S.F. Redevelopment Agency
Chein Kao	OK	CAL EPA/DTSC
Kenneth Shaw		U.S. Dept. of the Interior
Claire Trombadore here	✓	U.S. EPA
Sheryl Lauth	X	U.S. EPA
Dr. Dan Stralka		U.S. EPA
Richard Hiett		RWQCB
Mike Williams/Bettie Woods		BDI, Inc.
U.S. NAVY		
Cdr. Jim Gustafson		Bay Area Base Transition Coordinator
Michael McClelland here		Navy Co-chair, EFA West
Bill Radzevich	WR	EFA West
Ryan Brooks here		Dir of Community Relations, EFA West
Lynn Tetrick	✓	EFA west
Bill Finnegan	✓	EFA West
TETRA TECH EM INC.		
Jim Sickles here		
Jean Michaels		
Stacey Lyton here		

GPI	Present	
Darlene Brown here		
Barry Gutierrez here		
PUBLIC/GUESTS		Address/Phone
DAVID GAYRICH		EDDC
JIM BUNGER		DOUBLE ROCK RAIL
JOHN WHARTON		WOODWARD - CLYPE
Michael HAMMAN		702 Earl - 94134
Don Marini		IT Corp. 510-372-9100
Vince Kelsey		(11) (11)

**ATTACHMENT C**  
**HANDOUT MATERIALS**

## Hunters Point Shipyard Parcel E Feasibility Study Draft Report

### Public Summary

The Navy has recently completed a study of possible cleanup options for Parcel E at Hunters Point Shipyard. The findings are presented in the Parcel E *feasibility study* report, which presents an evaluation of and estimated costs for eight cleanup options for Parcel E. A table summarizing the eight cleanup options being considered for Parcel E is attached to this public summary. A general description of the actions that are used in the eight options is also attached.

The shipyard is divided into six property parcels, A through F. Parcel E consists of about 135 acres of shoreline and lowland coast located along the western portion of Hunters Point Shipyard. Historically, Parcel E has been used primarily as a landfill and as a storage area for waste, construction, and industrial materials. It has also been used for office and laboratory space. The City of San Francisco's reuse plan calls for Parcel E to be used for open space, maritime, industrial, mixed-use (including a small residential area), and research and development activities.

Environmental investigations within Parcel E identified the following contaminants at Parcel E: metals, fuel-related wastes, cleaning solvents, pesticides, and polychlorinated biphenyls (PCB) associated with electrical transformers. For more information regarding the environmental investigations, you may review the Parcel E *remedial investigation* report, available at the public information repository listed in this public summary.

The Navy conducted interim cleanup actions at Parcel E to eliminate any immediate risks to the public and the environment. Such actions included the removal of underground storage tanks, PCB transformers, contaminated soil, storm drain sediments, and floating oil residues in waste ponds. The Navy also took measures to contain groundwater pollutants at the existing Parcel E landfill.

Before selecting a cleanup option for Parcel E, the Navy will issue a *proposed plan* to the public that presents the Navy's preferred option along with the other cleanup options proposed for Parcel E. The Navy will hold a 30-day public comment period to hear public concerns and suggestions about the cleanup options proposed for Parcel E. The public comment period is scheduled to begin in June 1998. During the comment period, a public meeting will also be held to allow community members to voice their comments on the proposed cleanup plan for Parcel E directly to the Navy. After the Navy reviews all comments received during the public comment period, the Navy will select a cleanup plan.

*Terms shown in italics are defined on the attached "Definition of Terms."*

## Summary Description of Proposed Actions

The eight cleanup options listed in the table on the previous page are made up of various combinations of soil and groundwater actions. A general description of these actions is provided below.

### Soil Actions

Multilayer Cap. Installation of a *multilayer cap* over about 40 acres of ground surface, including the landfill and the northwest debris area. Under Alternatives 2 and 3, a multilayer cap will also be installed over the former oil reclamation ponds area.

Deed Restrictions. Establishment of deed restrictions that restrict construction on the capped areas and prohibit the use of the groundwater by any future occupants.

Single-Layer Cap. Construction of a *single-layer cap* over Parcel E except at area capped with the multilayer cap. The single-layer cap would consist of clay, asphalt, or concrete material.

Excavate Soils and Use On site. Excavation and use of various Parcel E soils as foundation material for the multilayer cap at the landfill and debris area.

Excavate Soils and Dispose of Off site. Excavation of soils from the former oil reclamation ponds area and other Parcel E soils and disposing of them at an off-site licensed facility.

Treating Soil for Use as Cap Foundation Material. Excavation and treating contaminated soils around the former oil reclamation ponds as well as miscellaneous soils in Parcel E. The treated soils would be used as foundation material for the landfill and debris area multilayer cap. Treatment of the contaminated soils will consist of two technologies: *thermal desorption* and *solidification and stabilization* treatment.

### Groundwater Actions

Sheetpiling Wall. Installation of an underground steel barrier wall ("*sheetpiling wall*") to prevent groundwater movement from Parcel E into the bay as well as prevent bay waters from infiltrating Parcel E. (In areas where the bedrock is close to the surface, sheetpiling cannot be installed; a *slurry wall* will be installed in those areas.)

Interceptor Trench. The *interceptor trench* will run along the length of the sheetpiling wall to collect groundwater from Parcel E. The trench will be filled with gravel and graded so that water will flow into a pipe, which will discharge the collected groundwater to either the bay or the POTW, depending on the alternative selected. Groundwater monitoring wells will be installed to confirm that groundwater entering the trench meets the appropriate discharge requirements.

## DEFINITION OF TERMS

**Feasibility Study:** A study in which potential cleanup methods are identified and evaluated based on their effectiveness, ease of implementation, cost, and other factors.

**Interceptor Trench:** An underground trench filled with gravel that captures groundwater; once the groundwater enters the trench it is channeled into a pipe for collection. Depending on the nature of the collected groundwater, the pipe discharges the water to either a constructed wetland, a treatment facility, or the San Francisco Bay.

**Multilayer Cap:** Placing layers of permeable and impermeable materials over contaminated materials to contain the contaminated materials. The surface of the capped area is mounded so that rain water will drain off the capped area.

**Proposed Plan:** A document that summarizes the cleanup methods examined in the feasibility study, presents the recommended method, and is used to solicit comments from the public.

**Remedial Investigation (RI):** An investigation to determine the types, amounts, and locations of contamination at a site.

**Sheetpiling Wall:** An underground steel barrier wall installed to prevent groundwater movement.

**Single-layer Cap:** Placing one layer of impermeable material, such as asphalt, clay, or concrete, over contaminated materials to contain the contaminated materials. The surface of the capped area is mounded so that rain water will drain off the capped area.

**Slurry Wall:** An underground wall composed of substances that cannot be penetrated. A slurry wall is generally built around a contaminated area to prevent the movement of contaminants or the inflow of unaffected groundwater into the contaminated area.

**Solidification and Stabilization (S/S):** A technology used to treat soil containing a variety of contaminants. During the S/S process, contaminated soil is mixed with a material that binds the soil and contaminants together to form a solid, concrete-like mass from which contaminants are unable to move.

**Thermal Desorption:** A technology that heats contaminated soil in an oven-like machine to separate harmful chemicals from soil and move them into the air. The air containing the chemicals is then moved to another container for additional treatment or disposal, and the soil is cooled and either used as backfill or treated further.





February 19, 1998

Dear RAB Board Member,

I apologize for the late cancellation of the January meeting, but several of the key people involved, both Navy and Community members, were going to be out of town and unable to attend. At the February meeting we will cover the same basic topics scheduled for January with the exception of the Federal Facility Agreement (FFA) schedule. We will discuss the RAB technical assistance TAPP grants program instead of the FFA schedules. You were provided copies of the FFA schedule with last month's agenda. If you have any questions regarding the FFA schedule please call me at (650) 244-3048.

We will hold an election for the new RAB Co-Chair at the February meeting. As I announced in last month's letter, two people, Ms. Caroline Washington and Mr. Leon Thibeaux expressed interest in being the RAB Community Co-Chair. The RAB is extending an invitation to any other members interested in co-chairing the HPS RAB to come to the February meeting to be considered for the position. The intent is to make the final selection at the February meeting. Please come and help to select the new Community Co-Chair.

The Parcel E Feasibility Study is out for review. The deadline for submission of comments has been extended. At this RAB meeting we will have an orientation on the Parcel E Feasibility Study with a more in depth discussion at the March RAB meeting. We will continue the discussion of the Parcel B Remedial Design started at the November meeting

The meeting will be at 6:00 pm at the San Francisco City College at 1400 Evans Avenue on the 2<sup>nd</sup> floor. Enclosed is the agenda for the meeting on Wednesday evening, the 25th of February. The minutes from our November meeting and the FFA schedule were distributed with the agenda for the canceled January meeting.

I hope that you are able to attend our February meeting and help select a new RAB Community Co-Chair.

Sincerely,

*Darlene Brown for*

Michael McClelland  
Navy Co-chair

**AGENDA  
HUNTERS POINT SHIPYARD  
RESTORATION ADVISORY BOARD**

**DATE:** February 25, 1998

**LOCATION:** SF City College  
2<sup>nd</sup> Floor  
1400 Evans Avenue  
San Francisco

- |      |   |
|------|---|
| 6:00 | 1. Call to order and Announcements<br><br>(Upcoming Documents and Activities)   |
| 6:05 | 2. Discussion and vote on Community Co-Chair<br><br>(We will have a chance to hear from Community Members who wish to be elected Community Co-Chair and vote) |
| 6:35 | 3. Parcel E Feasibility Study Orientation<br><br>(We will have a short orientation on the Parcel E FS: how it is organized and what to look for)              |
| 7:05 | 4. Parcel B Remedial Design Update<br><br>(This will be a continuation of the discussion on the Parcel B Remedial Design and Remedial Action.)                |
| 7:35 | 5. Discussion of TAPP Grant Program<br><br>(Opportunity to talk about the TAPP Grant Program for RABs)  |
| 7:55 | 6. Recommendations for Agenda Items for next RAB meeting and future field trips   |
| 8:00 | 7. Adjournment  |

**T**echnical

**A**ssistance

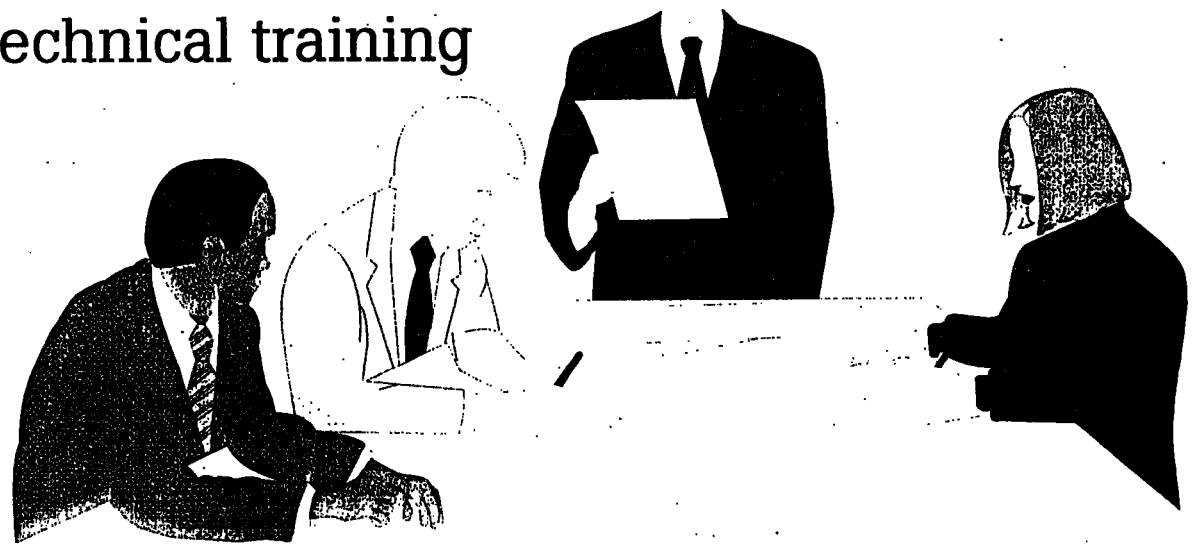
**P**ublic

**P**articipation



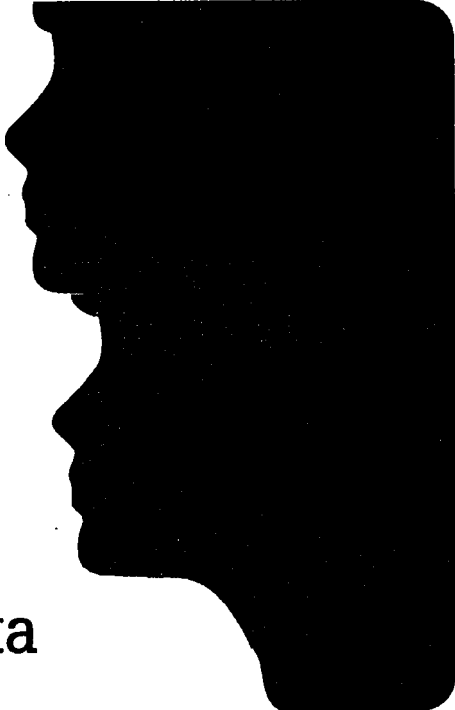
# What Kinds of Projects Qualify for Technical Assistance?

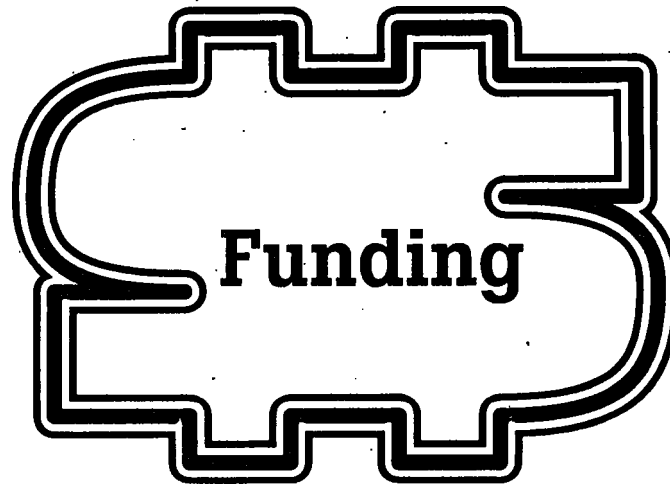
- Review of restoration documents
- Review of proposed remedial technologies
- Interpreting health and environmental effects
- Participating in relative risk evaluations
- Certain types of technical training





## **Are There Projects That Are Not Eligible For Funding?**

- 
- The generation of new primary data
  - Litigation or underwriting legal actions
  - Reopening final DoD decisions
  - Political activity or lobbying
  - Epidemiological or health studies
  - Community outreach efforts



TAPP purchase orders limited to lesser of  
\$25,000 or 1% of restoration cost to complete,  
with a \$100,000 lifetime limit

**Funding For this technical assistance  
program will come from the  
Hunters Point Environmental Budget.**



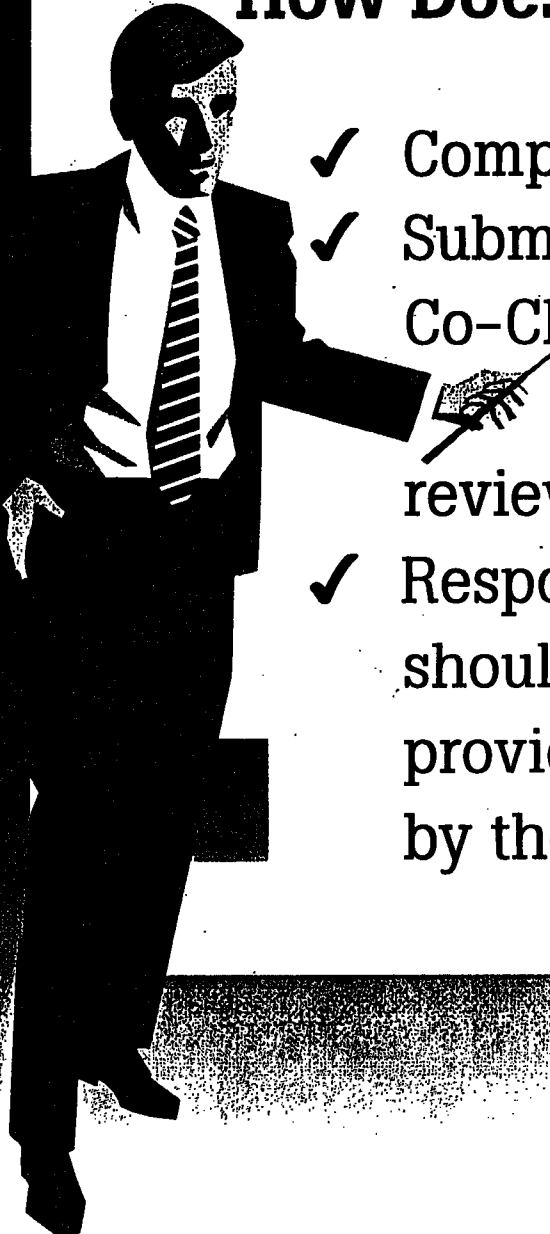
## **RABs May Request This Assistance Only If:**

**(a)** The technical assistance is likely to contribute to the efficiency, effectiveness, or timeliness of environmental restoration activities at the installation ***and***

**(b)** The technical assistance is likely to contribute to community acceptance of environmental restoration activities at the installation.



## How Does The TAPP Process Begin?



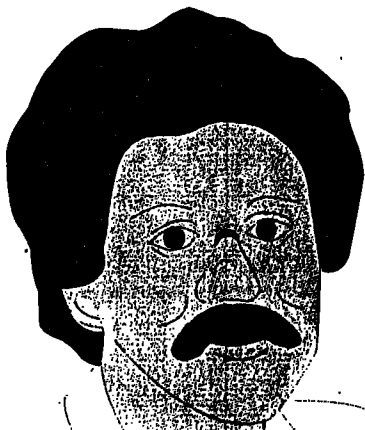
- ✓ Complete the application
- ✓ Submit the application to the DoD Co-Chair who will forward it to the Installation Commander for review and approval
- ✓ Respond to contracting office inquiries should they identify an assistance provider different from the one suggested by the community

# **Simplified Acquisition Procedures**



## **Purpose**

- Reduce Administrative Costs
- Improve opportunities for small businesses
- Promote efficiency and economy
- Avoid unnecessary burdens for agencies and contractors



# **The Simplified Acquisition Procedure**

## **Benefits**

- Solicitations are shorter, verbal solicitations are accepted
- Contracting and payment methods are more direct
- Competition requirements are less burdensome
- Selections are easier and require less documentation
- Award can be based on price alone or on price plus other factors

# TECHNICAL ASSISTANCE FOR PUBLIC PARTICIPATION (TAPP) APPLICATION

Form Approved  
OMB No. 0704-0392  
Expires Dec 31, 1999

The public reporting burden for this collection of information is estimated to average 4 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of the collection of information, including suggestions for reducing the burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (0704-0392), 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number.

**PLEASE DO NOT RETURN YOUR FORM TO THE ABOVE ADDRESS. RETURN COMPLETED FORM TO INSTALLATION LISTED IN SECTION I, BLOCK 1.**

## SECTION I - TAPP REQUEST SOURCE IDENTIFICATION DATA

### 1. INSTALLATION

### 2. SOURCE OF TAPP REQUEST (Name of Restoration Advisory Board (RAB) or Technical Review Committee (TRC))

### 3. CERTIFICATION OF MAJORITY REQUEST

### 4. DATE OF REQUEST (YYYYMMDD)

### 5. RAB POINT OF CONTACT

#### a. NAME (Last, First, Middle Initial)

#### b. ADDRESS (Street, Apt. or Suite Number, City, State, ZIP Code)

#### c. TELEPHONE NUMBER (Include Area Code)

## SECTION II - TAPP PROJECT DESCRIPTION

### 6. PROJECT TITLE

### 7. PROJECT TYPE (Data Interpretation, Training, etc.)

### 8. PROJECT PURPOSE AND DESCRIPTION (State anticipated goals of project and relate to increased understanding/participation in restoration process at the installation. Include descriptions, locations, and timetables of products or services requested.)

### 9. STATEMENT OF ELIGIBILITY (Refer to eligibility criteria in S203.11 and S203.12 of TAPP rule. Note other sources that were considered for this support and state reasons why these sources are inadequate.)

### 10. ADDITIONAL QUALIFICATIONS OR CRITERIA TO BE CONSIDERED (Additional qualifications (beyond those specified in S203.13) a provider should demonstrate to perform the project to the satisfaction of the RAB/TRC. Attach separate statement, if necessary.)

## SECTION III - INSTALLATION COMMANDER/DESIGNATED DECISION AUTHORITY APPROVAL

APPROVED

11. SIGNATURE

12. TITLE

13. DATE (YYYYMMDD)

NOT APPROVED

**SECTION IV - PROPOSED PROVIDER DATA****14. PROPOSED PROVIDER**

<b>a. NAME</b>	<b>b. ADDRESS (Street, Apt. or Suite Number, City, State, ZIP Code)</b>
<b>c. TELEPHONE NUMBER (Include Area Code)</b>	

**15. PROVIDER QUALIFICATIONS** (Attach separate statement, if necessary. A statement of qualifications from the proposed technical assistance provider will be acceptable.)

**16. ALTERNATE PROPOSED PROVIDER (If known. Attach additional pages as required.)**

<b>a. NAME</b>	<b>b. ADDRESS (Street, Apt. or Suite Number, City, State, ZIP Code)</b>
<b>c. TELEPHONE NUMBER (Include Area Code)</b>	

**17. ALTERNATE PROVIDER QUALIFICATIONS** (Attach separate statement, if necessary. A statement of qualifications from the proposed technical assistance provider will be acceptable.)

**SECTION V - CONTRACTING OFFICE APPROVAL**

<input type="checkbox"/> <b>APPROVED</b>	<b>18. SIGNATURE</b>	<b>19. TITLE</b>	<b>20. DATE (YYYYMMDD)</b>
<input type="checkbox"/> <b>NOT APPROVED</b>			

**HUNTERS POINT SHIPYARD  
RESTORATION ADVISORY BOARD  
Wednesday, March 25, 1998**

**DRAFT MEETING MINUTES**

**LOCATION:** San Francisco City College  
2<sup>nd</sup> Floor Lounge  
1400 Evans Avenue  
San Francisco, CA

**PURPOSE:** To provide: (1) a report by the Community Co-Chairs, (2) a presentation on the Technical Assistance Grant (TAG) by SAEJ, (3) a short video on rail car loading, (4) an update on the San Francisco Redevelopment Activities at HPS, (5) breakout sessions to discuss the Parcel E Feasibility Study and (6) a discussion of recommendations for agenda items for the next RAB meeting and future field trips/activities.

These minutes summarize the items discussed during the RAB meeting; they are not a verbatim transcript. Attachment A provides the attendance list, Attachment B provides the meeting agenda and Attachment C provides the presentation handout materials.

**FACILITATOR:** Doug Kern

**I. Welcoming Remarks/General Announcements**

Doug Kern called the meeting to order at 6:07 p.m. and welcomed all attendees. He asked for changes to the agenda; none were proposed.

Mike McClelland, Base Environmental Coordinator and Navy Co-Chair, made the following announcements:

- The review period for comments on the Parcel E Feasibility Study (FS) has been extended to April 30, 1998.
- Comments on the Parcel B Remedial Design package are due on April 23, 1998; the document was submitted for review on March 23, 1998.
- Comments on the Parcel B Implementation Work Plan are due on April 6, 1998; the document was submitted for review on January 30, 1998.
- The IR-6 Soil Removal Action Construction Zone Report was submitted on February 23, 1998; comments are due April 13, 1998.

- The Parcel F Draft Feasibility Study, which covers all of the off-shore area, will be submitted on April 3, 1998; a 45-day review period will follow.
- The Alameda RAB has applied for and received funding through the Technical Assistance for Public Participation (TAPP) program; the process, from application submission to final award, took place within thirty days. Mr. McClelland urged the co-chairs to consider selecting a project and applying for funding. He explained that the RAB puts together the package requesting technical assistance, and submits it to him. He will in turn present it to the Commanding Officer, and upon approval, will forward the request to the contracting office at EFA West. The contracting office will then hire a contractor through a specified process; the RAB can recommend a preferred contractor.

Leon Thibeaux expressed interest in using TAPP funding for training in the area of sustainable economic development. Mr. McClelland responded that TAPP funds are mainly intended for providing technical assistance to the RAB. Mark Youngkin agreed that the RAB should pursue TAPP funding. Sheryl Lauth, U.S. EPA, suggested that the RAB obtain a copy of Alameda's TAPP application to use as a guide.

- Amy Brownell noted a correction to page nine of the February 25, 1998 meeting minutes; the second sentence in the third paragraph should read "Mr. McClelland replied that the Navy was intending to enter into negotiations on a Lease of Furtherance and Conveyance with the City by March 1, 1998." Mr. McClelland noted that the lease process cannot be completed until the EIS/EIR is completed, which would not be until the end of the year.

## **II. Community Co-Chair Report**

Mr. Thibeaux proposed that the four Community Co-Chairs schedule a meeting and report back to the RAB at the April meeting.

## **III. Presentation on the Technical Assistance Grant (TAG) by SAEJ**

There was no report on this topic; it will be rescheduled for the next RAB meeting.

## **IV. Video on Rail Car Loading**

David Gavrich of ECDC showed a brief video on the rail car loading process; rail car transport is being considered as an option for removing soil from Parcel B. Following the video, Mr. Gavrich explained that a similar soil removal was performed at the Embarcadero Roadway excavation next to the Cal Train Station.

Mr. Gavrich noted that there has been some uncertainty about the condition of the rail yard track at HPS. He stated that a train from Double Rock Rail Service was recently run out to Parcel B to demonstrate that the track is in place and operational. Jim Bunker of Double Rock Rail Service

distributed photographs of the train run to Parcel B. Mr. Gavrich added that he and Mr. Bunker met with IT Corp. earlier that morning to discuss the logistics of loading the soil from Parcel B into rail cars. He noted it was a productive meeting and expected that IT would report to Mr. McClelland on their discussion.

Marie Harrison asked if the costs have been worked out on removing the different types of waste by rail car. Mr. Gavrich indicated that they have been estimated, noting that rail car loading can be very competitive for removing Class I Cal Haz waste, but would not be competitive for removing Class II waste.

A member of the audience noted the abnormally high pulmonary disease rate among children in the Bay View and Hunters Point neighborhood. He asked if rail car loading of soil would have less impact on air quality than truck hauling. Mr. Gavrich responded that the amount of particulate matter generated from loading would be similar for both methods, however, rail car removal would provide the advantage of not generating dust through the neighborhood as trucks might. He added that dust control measures, such as use of a sprayer and shroud, would be used at the point of loading for the rail cars.

The same audience member asked how many neighborhood residents the rail car operation would employ. Mr. Gavrich stated that the types of jobs involved with the operation would include lining, sealing and decontaminating the rail cars; these would be the same types of jobs that would be available as those provided by on-site trucking. He added that there may be training opportunities available for railroad engineering jobs, as well.

Mr. Bunker stated that the Double Rock Rail Service is fully owned by the Golden Gate Railroad Museum, Inc., a non-profit organization. A training program is envisioned for local residents if there is a capacity to operate a railroad at HPS and if money is available to restore several million dollars worth of rail equipment. He noted that volunteers have been used in the past for equipment restoration work. The operation of Double Rock Rail Service is intended to provide a revenue stream for the museum to hire a workforce to restore the railroad equipment. He noted that the hiring opportunity is there if the museum can find the funding.

The audience member asked what would be the duration of the jobs following training. Mr. Bunker stated that rail-oriented occupations would be one type of training opportunity available to residents. He noted, however, that it is unknown whether the Federal Railroad Administration will allow the museum to qualify people based on the training they provide. He pointed out that people with some railroad background will be more likely to be hired for railroad positions than those with no background. Mr. Gavrich added that there is a possibility that a co-training program could be developed between the museum and Union Pacific Railroad.

Charles Dacus asked what was meant by stating that the railroad would hire their own people. Mr. Bunker stated that all of the restoration work so far has been performed by volunteers. Eventually, the hope is to generate a revenue stream with which to hire people to restore the rail equipment. He pointed out that other places in the U.S. have effectively undertaken similar opportunities.



## **V. Update on San Francisco Redevelopment Activities at HPS**

Bryon Rhett, Project Manager for HPS with the San Francisco Redevelopment Authority, provided an update on redevelopment activities at HPS. Mr. Rhett explained that the redevelopment plan concentrates on economic development. The mixed use plan primarily provides for industrial and commercial development but also includes a small amount of residential development. The plan also allows for open space and public access.

Mr. Rhett stated that the Navy is developing the environmental review documents (EIS/EIR) for the redevelopment plan that will meet both state and federal requirements. The EIS/EIR was made available to the public in late 1997. After the document is certified, the Redevelopment Agency and the City will be able to take possession of the land either by transfer of title or by a lease of furtherance and conveyance. A series of hearings on the document were held early this year, culminating in a joint hearing before the Planning Commission and the Redevelopment Authority in January. Extensive comments were received on the document. As a result, it is expected to take several months for the Navy to develop a document that will adequately address all of the concerns raised by comment. The Navy has proposed that the State document (the EIR) be rewritten and made available for public review in July 1998. If this schedule is met, then the state process would be completed in October 1998, through certification of the document. The Navy's EIS document is moving on a faster track and is scheduled for certification this summer.

Mr. Rhett noted that most of the property will be transferred through a lease of furtherance and conveyance. Parcel A is so far the only property clean and available for transfer. Negotiations have just begun between the City and the Navy on the lease of furtherance and conveyance. The Navy recently submitted a first draft of the document, proposing an aggressive schedule in completing the negotiations. He pointed out that the City cannot enter into the lease until the EIR/EIS documents are complete.

Mr. Rhett stated that negotiations will need to address the question of how the cleanup will interact with the ongoing use of the base. New development areas also need to be considered. A site office is planned to be set up in Building 915 in early April in anticipation of transfer of the base, and to establish a presence by the City. The various City departments involved in caretaking and maintenance, such as the Department of Public Works, the Health Department, and the Public Utilities Commission, will begin to work out of the new site office. The process will also involve the regulatory agencies to ensure that the City remains in compliance with state and federal regulations as they move forward with development plans.

Mr. Rhett noted that the City has begun to work with the Navy to develop wetlands areas, as noted in the redevelopment plan. The City has recently entered into agreement with the San Francisco International Airport (SFO) to develop wetlands on HPS to replace those that will be lost through SFO's airport expansion activities. The airport will provide the funding to develop the wetlands at HPS; the City has presented a preliminary proposal to the Navy regarding the wetland development to ensure their design is compatible with the cleanup. He suggested that the Redevelopment Authority provide the RAB with a more detailed presentation on wetland

development as plans progress. He noted that the City will be applying for a grant from the State to build trails and observation areas in the wetlands so that schools and the public can take advantage of this open space opportunity.

The Redevelopment Authority is working closely with the Mayor's Office to develop a Request for Qualifications (RFQ) for a Master Developer for the base, in anticipation of taking title to portions of the base and leasing other areas by the end of the year. The RFQ has been drafted and meetings have been held with the Citizen's Advisory Committee. They are also working with the Mayor's Office of Economic Development, and are scheduled to go before the Redevelopment Commission on March 31, 1998. If the Redevelopment Commission approves issuance of the RFQ, the document will go out to the development community in mid-April. Developers can respond either as a developer for the entire base or focus on the residential area (Parcels A-1 and A-2).

Mr. Rhett explained that a developer is being sought either for the entire base or the housing area to help the City get access to private money and leverage the City's dollars to make the very costly infrastructure improvements needed at HPS. The City also wants to get direct involvement from the development community to help decide on where to begin with redevelopment, how to best work with the existing tenants, and how to work with the community and local businesses. The Master Developer could also provide a way to provide capital to smaller developers for start-up businesses, or to relocate existing businesses to the HPS property.

Mr. Rhett pointed out that the Department of the Navy's criteria on where to spend cleanup money has focused on sites that are ready to start development. The City believes that having a Master Developer on board will demonstrate to the Navy a commitment by the City and the private sector to move forward with the development, and press the need for cleanup money. He noted that there has been a lot of interest from developers in the development of HPS; issuance of the RFQ will help the City determine more realistically the private sector's level of interest in the project.

A member of the audience asked if the City will assume liability once they take over the Parcel A housing property. Mr. McClelland stated that the Navy has investigated Parcel A and found it clean for residential use. He added that if contamination from Navy activities that was not addressed in the Navy cleanup is found in the future, the Navy would be liable, not the City. The audience member asked if any testing has been conducted on dust blowing off of the Navy property and into the neighborhoods. Jim Sickles, Tetra Tech EM Inc., responded that an air monitoring station had been located in the neighborhood but did not indicate dust was blowing off the Navy property and into the community. Mr. Sickles stated there has been concern expressed that airborne dust containing contaminants might be blowing into neighborhoods from the Navy property. A Phase II Air Investigation was conducted in unpaved areas of Parcel E to see if soil erosion was contributing particulates to the air. The study, conducted in the summer of 1996, determined that there were no dust problems being generated on the site.

The audience member expressed concern over unaccountable disease rates in the areas, such as the high rate of asthma in local children and a high instance of breast cancer in residents; and that there have been no measurements of the impacts of dust from the Navy property on

neighborhoods. He stressed the need to further investigate the impacts before the City proceeds with the development. James Heagy commented that perhaps the whole area should be paved over to eliminate blowing soil. Mr. Heagy added that he thought it unwise to build housing in the areas designated for mixed use on the property. Mr. Rhett pointed out that the housing is not permitted at ground level in the mixed use area; the commercial areas will occupy the ground floor level, and the housing will be located above the commercial area.

Caroline Washington asked if the new housing areas will be added to the current Mariner Village. Mr. Rhett stated that this was being proposed. He added that the City would not act as a developer but will work with a developer in conformance with the redevelopment plan. Ms. Harrison asked if there had been off-site storage of ordnance, noting an instance where a large gun shell was discovered underground in a neighborhood yard. Mr. Sickles responded that ordnance was typically off-loaded out in the bay, and that the discovered shell was likely left from a souvenir collector.

Silk Gaudin asked what part of the base had been used for dumping waste. Mr. McClelland replied that Parcel E is the site of the former landfill. He added that most of the base is fill material and the Navy did further filling of areas when it took over use of the property. Mr. Rhett noted that about half the base is fill material; the City has been negotiating with State Lands, who has jurisdiction over the filled areas (they cannot be sold but can be entered into long-term leases). He added that the City is negotiating a series of swaps with State Lands to put areas such as the dry docks into the Trust for Public Lands, and take out other areas so they can be developed. Housing is not permitted on Trust Lands, so open space areas and maritime areas will be put into the Trust in exchange for taking out the proposed development areas.

Ms. Washington asked where the film production studios would be located. Mr. Rhett stated they would be located in buildings 231, 251 and 281 on the piers. Mr. Gavrich asked if the Redevelopment Authority contemplates involvement by the Master Developer or sub-developers in the cleanup. Mr. Rhett indicated this would be a negotiating issue. From the City's perspective, they would like to permit private developers to work with the Navy in specific areas slated for development. Currently the demand is for the commercial and industrial areas, so these would be cleaned up first, however, the City would like to focus cleanup efforts on other areas as developers express interest.

## **VI. Parcel E Feasibility Study Breakout Sessions**

The RAB members broke up into small groups to discuss in detail the methods of cleanup proposed for Parcel E.

## **VII. Adjournment**

Mr. Kern adjourned the meeting at 8:20 p.m.

**The next RAB meeting will be held on Wednesday, April 22, 1998, at the San Francisco City College, 6:00 p.m.**

**ATTACHMENT A**  
**MEETING AGENDA**

**AGENDA  
HUNTERS POINT SHIPYARD  
RESTORATION ADVISORY BOARD**

**DATE:** March 25, 1998

**LOCATION:** SF City College  
2<sup>nd</sup> Floor  
1400 Evans Avenue  
San Francisco

- |      |    |  |
|------|----|--|
| 6:00 | 1. | Call to order and Announcements<br><br>(Upcoming Documents and Activities)   |
| 6:05 | 2. | Community Co-chair Report<br><br>(An opportunity for the community Co-chairs to discuss information of interest to the RAB)                                |
| 6:15 | 3. | Presentation on the Technical Assistance Grant (TAG) by SAEJ<br><br>(An opportunity to meet the technical expert hired by SAEJ for their TAG from the EPA) |
| 6:25 | 3. | Short Video on Rail Car Loading<br><br>(Video to help us understand how rail cars could be used in the cleanup at HPS)                                     |
| 6:35 | 4. | Update on SF Redevelopment Activities at HPS<br><br>(Presentation from the SFRA on their activities and plans for the reuse of HPS)                        |
| 6:55 | 5. | Parcel E Feasibility Study Breakout Sessions<br><br>(We will have an opportunity to meet in 3 smaller groups to discuss the Parcel E FS.)                  |
| 7:55 | 6. | Recommendations for Agenda Items for next RAB meeting and future field trips/activities  |
| 8:00 | 7. | Adjourn  |

**ATTACHMENT B**  
**RAB MEETING ATTENDANCE SHEETS**

**HUNTERS POINT SHIPYARD**  
**Restoration Advisory Board Meeting Attendance**

Date: March 25, 1998

<b>RAB MEMBER</b>	<b>Present</b>	<b>ALTERNATE</b>	<b>Present</b>
Vanessa Banks			
Bernestine Beasley			
Bill Billotte			
Sy-Allen Browning			
Wendy Brummer-Kocks			
Anthony Bryant			
Robert Christian			
Therese Coleman			
Percy A. Coleman			
Charles L. Dacus, Sr. <i>here</i>	<i>✓</i>		
Alonzo L. Douglas			
Vida Edwards			
Janet Ellis			
Laurie Espinoza	<i>le</i>		
Manuel J. Ford	<i>✓</i>		
Jill Fox			
Bonnie Fraenza			
Greg Freeman			
Silk V. T. Gaudin	<i>Present</i>		
Michael Harris			
James A. Heagy	<i>[Signature]</i>		
David E. Jackson			

RAB MEMBER	Present	ALTERNATE	Present
Helen Jackson			
Henrietta Jones			
Doug Kern	<i>DK</i>		
Anthony LaMell			
Scott Madison			
Mamie Matthews			
Khafra K. Omra Zeti			
Hali Papazian			
Dorothy Peterson			
Rev. J.P. Pryor			
Christine Shirley	<i>CS</i>		
Carol E. Tatum			
Leon Thibeaux <i>here</i>	<i>✓</i>		
Erlinda B. Villa			
Caroline Washington	<i>CW</i>		
Mrs. Oceola Washington			
Gwendolyn Westbrook			
Nathanial White III			
Andre Williams			
Patricia Wright			
Mark Youngkin	<i>MY</i>		
<i>Raymond J. [unclear]</i>	<i>[unclear]</i>	<i>BVHP Task Force</i>	
<i>Mark A. [unclear]</i>	<i>HA</i>		



REGULATORS	Present	Agency
Amy Brownell	AB	S.F. Dept. Of Public Health
John Chester		S.F. Dept. of Public Works, Site Assessment Remediation Division
Byron Rhett	here ✓	S.F. Redevelopment Agency
Kenneth Shaw		U.S. Dept. of the Interior
Claire Trombadore		U.S. EPA
Sheryl Lauth	SL	U.S. EPA
Dr. Dan Stralka		U.S. EPA
Richard Hiett		RWQCB
Mike Williams/Bettie Woods		BDI, Inc.
U.S. NAVY		
Cdr. Jim Gustafson		Bay Area Base Transition Coordinator
Michael McClelland	here	Navy Co-chair, EFA West
Bill Radzevich	WR	EFA West
Ryan Brooks		Dir of Community Relations, EFA West
Luann Tetrick	LT	EFA West
PAUL West		EFA WEST
TETRA TECH EM INC.		
Jim Sickles	here	
Stacey Lepton	here	
Neil Mungen-Balch		
Jean Michaels		

GPI	Present	
Darlene Brown	DB	
Barry Gutierrez	BG	
PUBLIC/GUESTS		Address/Phone
Patrick Brown	PB	230 Montgomery Street San Francisco
DAVID GAVRICH	DG	EDC 699 Amador St 94124
Jim Bungev	JB	Double Rock Rail Service
Ed Ochi	EO	DPH - OSH Bldg 606 Hunters 415-671-3171 Point
Harry Reppert		PMC LONESTAR (510) 426-2113 P.O. Box 5252 PLEASANTON, CA 94566

**ATTACHMENT C**  
**HANDOUT MATERIALS**

## Hunters Point Shipyard Parcel E Feasibility Study Draft Report

### Public Summary

The Navy has recently completed a study of possible cleanup options for Parcel E at Hunters Point Shipyard. The findings are presented in the Parcel E *feasibility study* report, which presents an evaluation of and estimated costs for eight cleanup options for Parcel E. A table summarizing the eight cleanup options being considered for Parcel E is attached to this public summary. A general description of the actions that are used in the eight options is also attached.

The shipyard is divided into six property parcels, A through F. Parcel E consists of about 135 acres of shoreline and lowland coast located along the western portion of Hunters Point Shipyard. Historically, Parcel E has been used primarily as a landfill and as a storage area for waste, construction, and industrial materials. It has also been used for office and laboratory space. The City of San Francisco's reuse plan calls for Parcel E to be used for open space, maritime, industrial, mixed-use (including a small residential area), and research and development activities.

Environmental investigations within Parcel E identified the following contaminants at Parcel E: metals, fuel-related wastes, cleaning solvents, pesticides, and polychlorinated biphenyls (PCB) associated with electrical transformers. For more information regarding the environmental investigations, you may review the Parcel E *remedial investigation* report, available at the public information repository listed in this public summary.

The Navy conducted interim cleanup actions at Parcel E to eliminate any immediate risks to the public and the environment. Such actions included the removal of underground storage tanks, PCB transformers, contaminated soil, storm drain sediments, and floating oil residues in waste ponds. The Navy also took measures to contain groundwater pollutants at the existing Parcel E landfill.

Before selecting a cleanup option for Parcel E, the Navy will issue a *proposed plan* to the public that presents the Navy's preferred option along with the other cleanup options proposed for Parcel E. The Navy will hold a 30-day public comment period to hear public concerns and suggestions about the cleanup options proposed for Parcel E. The public comment period is scheduled to begin in June 1998. During the comment period, a public meeting will also be held to allow community members to voice their comments on the proposed cleanup plan for Parcel E directly to the Navy. After the Navy reviews all comments received during the public comment period, the Navy will select a cleanup plan.

*Terms shown in italics are defined on the attached "Definition of Terms."*

## Summary Description of Proposed Actions

The eight cleanup options listed in the table on the previous page are made up of various combinations of soil and groundwater actions. A general description of these actions is provided below.

### Soil Actions

Multilayer Cap. Installation of a *multilayer cap* over about 40 acres of ground surface, including the landfill and the northwest debris area. Under Alternatives 2 and 3, a multilayer cap will also be installed over the former oil reclamation ponds area.

Deed Restrictions. Establishment of deed restrictions that restrict construction on the capped areas and prohibit the use of the groundwater by any future occupants.

Single-Layer Cap. Construction of a *single-layer cap* over Parcel E except at area capped with the multilayer cap. The single-layer cap would consist of clay, asphalt, or concrete material.

Excavate Soils and Use On site. Excavation and use of various Parcel E soils as foundation material for the multilayer cap at the landfill and debris area.

Excavate Soils and Dispose of Off site. Excavation of soils from the former oil reclamation ponds area and other Parcel E soils and disposing of them at an off-site licensed facility.

Treating Soil for Use as Cap Foundation Material. Excavation and treating contaminated soils around the former oil reclamation ponds as well as miscellaneous soils in Parcel E. The treated soils would be used as foundation material for the landfill and debris area multilayer cap. Treatment of the contaminated soils will consist of two technologies: *thermal desorption* and *solidification and stabilization* treatment.

### Groundwater Actions

Sheetpiling Wall. Installation of an underground steel barrier wall ("*sheetpiling wall*") to prevent groundwater movement from Parcel E into the bay as well as prevent bay waters from infiltrating Parcel E. (In areas where the bedrock is close to the surface, sheetpiling cannot be installed; a *slurry wall* will be installed in those areas.)

Interceptor Trench. The *interceptor trench* will run along the length of the sheetpiling wall to collect groundwater from Parcel E. The trench will be filled with gravel and graded so that water will flow into a pipe, which will discharge the collected groundwater to either the bay or the POTW, depending on the alternative selected. Groundwater monitoring wells will be installed to confirm that groundwater entering the trench meets the appropriate discharge requirements.

## DEFINITION OF TERMS

**Feasibility Study:** A study in which potential cleanup methods are identified and evaluated based on their effectiveness, ease of implementation, cost, and other factors.

**Interceptor Trench:** An underground trench filled with gravel that captures groundwater; once the groundwater enters the trench it is channeled into a pipe for collection. Depending on the nature of the collected groundwater, the pipe discharges the water to either a constructed wetland, a treatment facility, or the San Francisco Bay.

**Multilayer Cap:** Placing layers of permeable and impermeable materials over contaminated materials to contain the contaminated materials. The surface of the capped area is mounded so that rain water will drain off the capped area.

**Proposed Plan:** A document that summarizes the cleanup methods examined in the feasibility study, presents the recommended method, and is used to solicit comments from the public.

**Remedial Investigation (RI):** An investigation to determine the types, amounts, and locations of contamination at a site.

**Sheetpiling Wall:** An underground steel barrier wall installed to prevent groundwater movement.

**Single-layer Cap:** Placing one layer of impermeable material, such as asphalt, clay, or concrete, over contaminated materials to contain the contaminated materials. The surface of the capped area is mounded so that rain water will drain off the capped area.

**Slurry Wall:** An underground wall composed of substances that cannot be penetrated. A slurry wall is generally built around a contaminated area to prevent the movement of contaminants or the inflow of unaffected groundwater into the contaminated area.

**Solidification and Stabilization (S/S):** A technology used to treat soil containing a variety of contaminants. During the S/S process, contaminated soil is mixed with a material that binds the soil and contaminants together to form a solid, concrete-like mass from which contaminants are unable to move.

**Thermal Desorption:** A technology that heats contaminated soil in an oven-like machine to separate harmful chemicals from soil and move them into the air. The air containing the chemicals is then moved to another container for additional treatment or disposal, and the soil is cooled and either used as backfill or treated further.

**AGENDA  
HUNTERS POINT SHIPYARD  
RESTORATION ADVISORY BOARD**

**DATE:** March 25, 1998

**LOCATION:** SF City College  
2<sup>nd</sup> Floor  
1400 Evans Avenue  
San Francisco

- |      |   |
|------|---|
| 6:00 | 1. Call to order and Announcements<br><br>(Upcoming Documents and Activities)   |
| 6:05 | 2. Community Co-chair Report<br><br>(An opportunity for the community Co-chairs to discuss information of interest to the RAB)                                |
| 6:15 | 3. Presentation on the Technical Assistance Grant (TAG) by SAEJ<br><br>(An opportunity to meet the technical expert hired by SAEJ for their TAG from the EPA) |
| 6:25 | 3. Short Video on Rail Car Loading<br><br>(Video to help us understand how rail cars could be used in the cleanup at HPS)                                     |
| 6:35 | 4. Update on SF Redevelopment Activities at HPS<br><br>(Presentation from the SFRA on their activities and plans for the reuse of HPS)                        |
| 6:55 | 5. Parcel E Feasibility Study Breakout Sessions<br><br>(We will have an opportunity to meet in 3 smaller groups to discuss the Parcel E FS.)                  |
| 7:55 | 6. Recommendations for Agenda Items for next RAB meeting and future field trips/activities  |
| 8:00 | 7. Adjourn  |



March 19, 1998

Dear RAB Board Member,

Congratulations to the four new Community Co-chairs for the Hunters Point RAB! At our February meeting the community members present decided that, due to the various strengths and community affiliations of all four of the community members who expressed interest in the position, they wanted all four candidates to serve as community co-chairs. Jill Fox, Dorothy Peterson, Leon Thibeaux, and Caroline Washington will serve for the next year as the community co-chairs for the HPS RAB. We all look forward to their participation in these positions.

At our last meeting SAEJ announced that they had selected their technical expert for the Technical Assistance Grant they received from the EPA. At this meeting you will have an opportunity to meet and talk with their technical expert.

The Double Rock Railroad and ECDC will show a short video showing how railcars are loaded to help us understand how they could be used in our cleanup.

The San Francisco Redevelopment Agency will update the RAB on their activities to reuse the Shipyard.

The Parcel E Feasibility Study is out for review. The deadline for submission of comments has been extended. At this RAB meeting we will break into 3 small groups for a more in depth discussion of this important document leading to the Navy's remedy for Parcel E.

The meeting will be at 6:00 pm at the San Francisco City College at 1400 Evans Avenue on the 2<sup>nd</sup> floor. Enclosed is the agenda for the meeting on Wednesday evening, the 25th of March and the minutes from our February meeting.

I hope that you are able to attend our March meeting.

Sincerely,

Michael McClelland  
Navy Co-chair





April 16, 1998

Dear RAB Board Member,

SAEJ has announced that they have selected their technical expert for the Technical Assistance Grant they received from the EPA. At this meeting you will have an opportunity to meet and talk with their technical expert.

The Parcel F Feasibility Study has been sent out for review. The deadline for submission of comments is May 18, 1998. At this RAB meeting we will have a short orientation on the Parcel F Feasibility Study. We will then break into small groups for a more in depth discussion of the Parcel E and/or the Parcel F Feasibility Study.

The meeting will start at 6:00 pm at the San Francisco City College at 1400 Evans Avenue on the 2<sup>nd</sup> floor. Enclosed are the agenda for the meeting on Wednesday evening, the 22<sup>nd</sup> of April and the minutes from our March meeting.

I hope that you are able to attend our April meeting.

Sincerely,

Michael McClelland  
Navy Co-chair

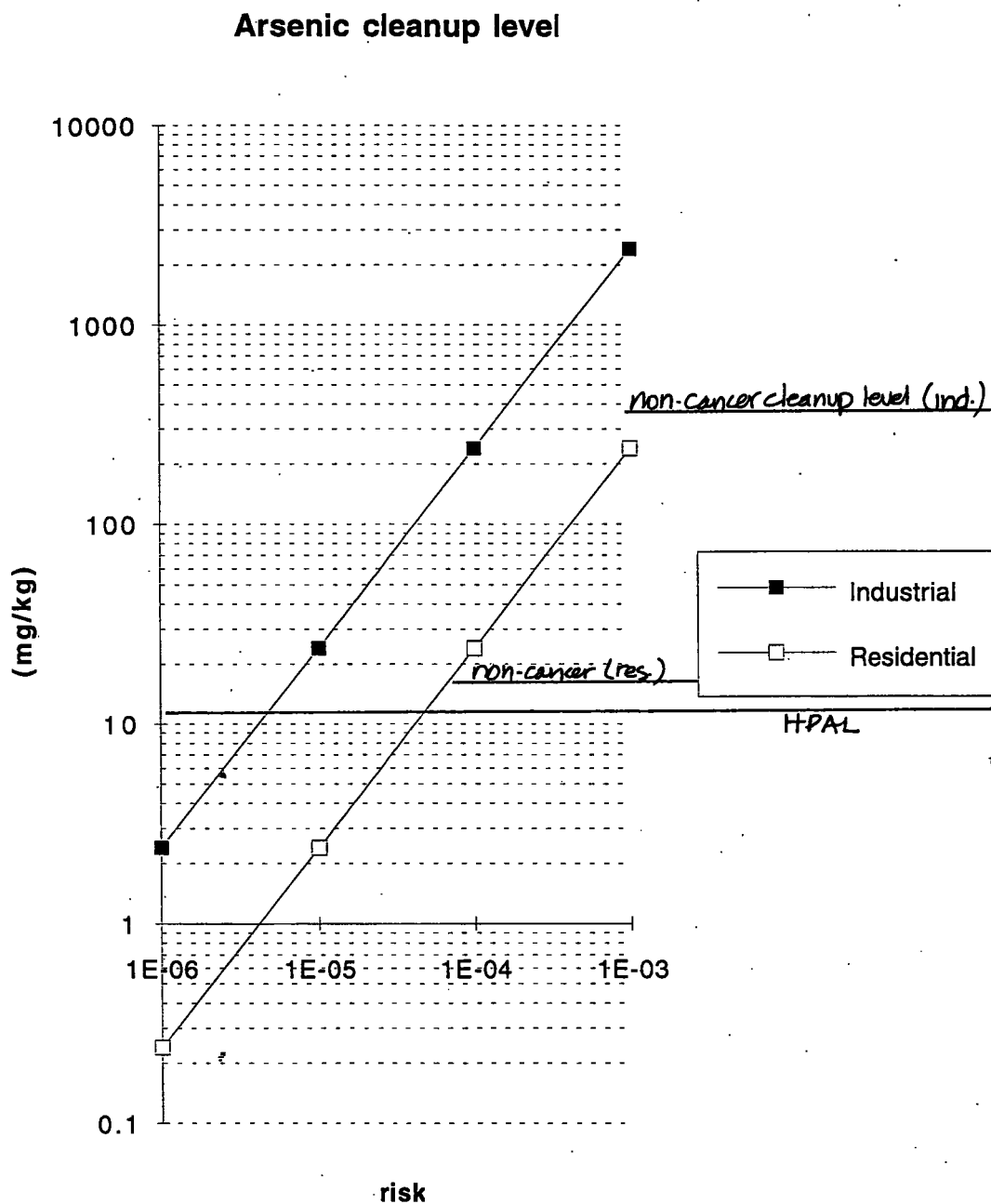
**AGENDA  
HUNTERS POINT SHIPYARD  
RESTORATION ADVISORY BOARD**

**DATE:** April 22, 1998

**LOCATION:** SF City College  
2<sup>nd</sup> Floor  
1400 Evans Avenue  
San Francisco

- 6:00        1.     Call to order and Announcements  
  
                      (Upcoming Documents and Activities)
- 6:05        2.     Community Co-chair Report  
  
                      (An opportunity for the community Co-chairs to discuss  
                      information of interest to the RAB)
- 6:15        3.     Presentation on the Technical Assistance Grant (TAG) by  
                      SAEJ  
  
                      (An opportunity to meet the technical expert hired by SAEJ  
                      for their TAG from the EPA)
- 6:25        4.     Parcel F Feasibility Study Orientation  
  
                      (We will have a short orientation on the Parcel F FS: how it  
                      is organized and what to look for)
- 6:45        5.     Parcels E and/or F Feasibility Study Breakout Session  
  
                      (We will have an opportunity to meet in small groups to  
                      discuss the Parcel E FS and/or the Parcel F FS reports.)
- 7:55        6.     Recommendations for Agenda Items for next RAB meeting  
                      and future field trips/activities
- 8:00        7.     Adjourn

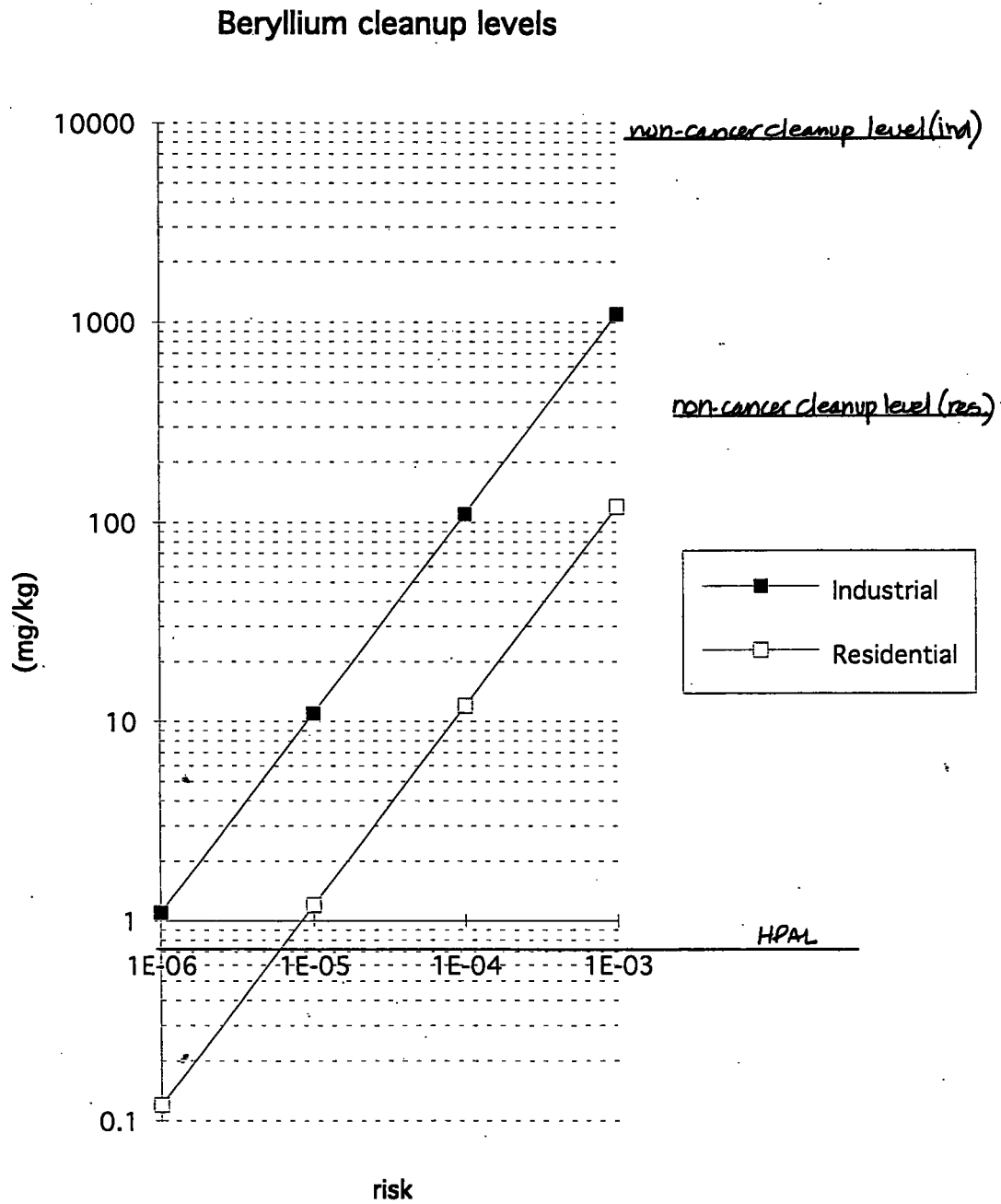
Arsenic cleanup Levels HPAL= 11				
RISK	1E-06	1E-05	1E-04	1E-03
Industrial	2.4	24	240	2400
Residential	0.24	2.4	24	240



# Beryllium

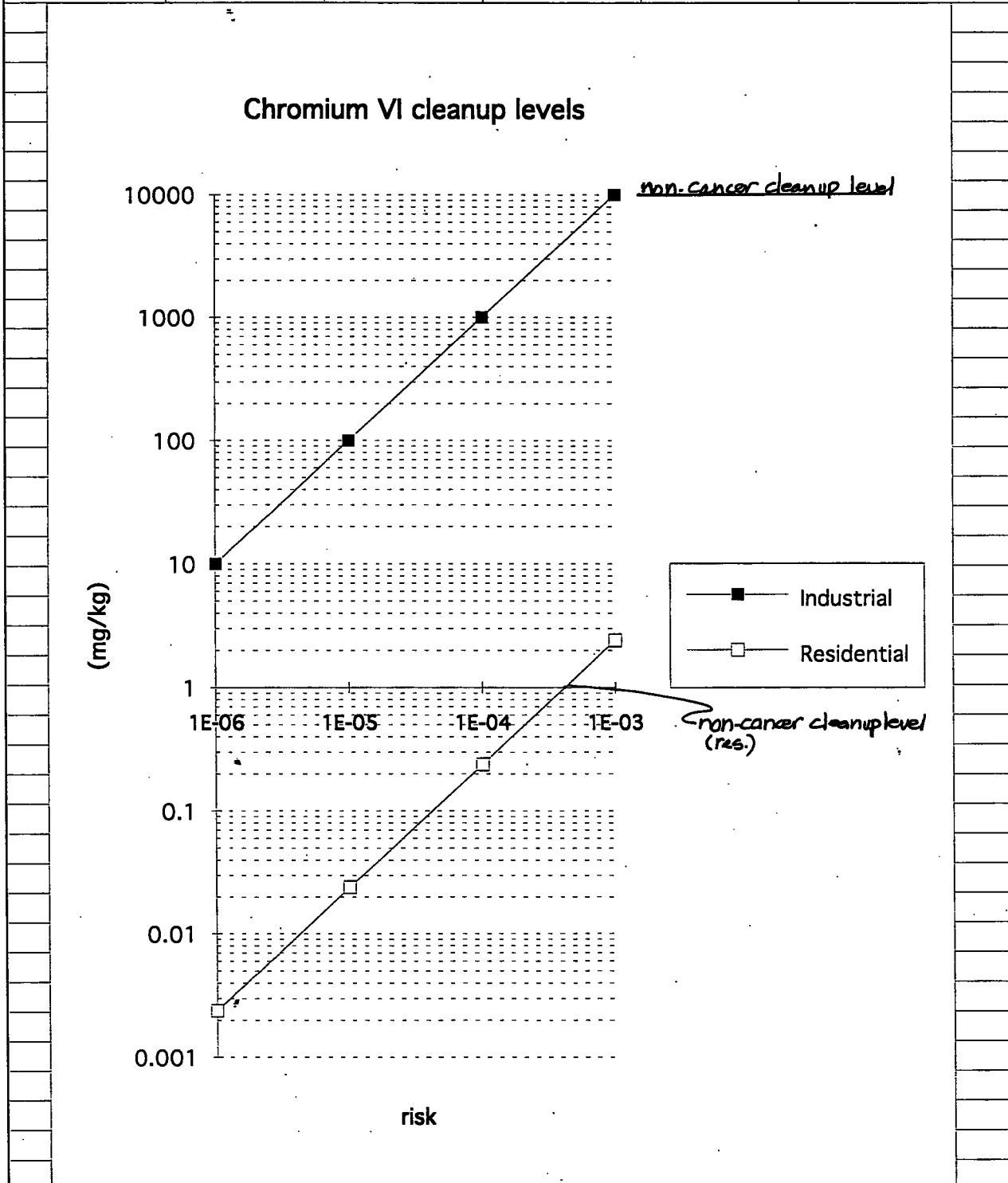
Beryllium cleanup Levels HPAL= 0.71

RISK	1E-06	1E-05	1E-04	1E-03
Industrial	1.1	11	110	1100
Residential	0.12	1.2	12	120



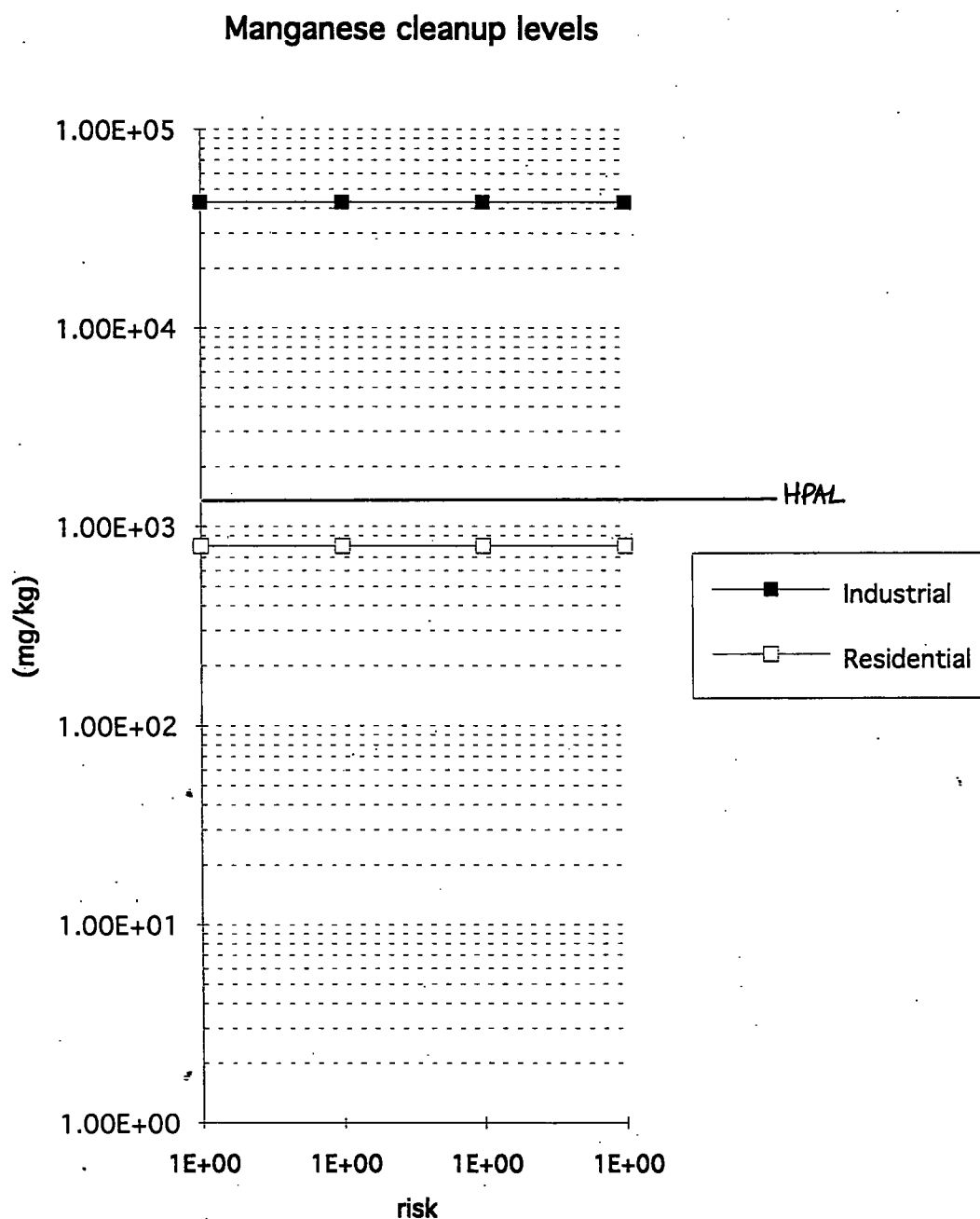
# ChromiumVI

Chromium VI cleanup levels					
RISK	1E-06	1E-05	1E-04	1E-03	
Industrial	10	100	1000	10000	
Residential	2.40E-03	2.40E-02	2.40E-01	2.40E+00	



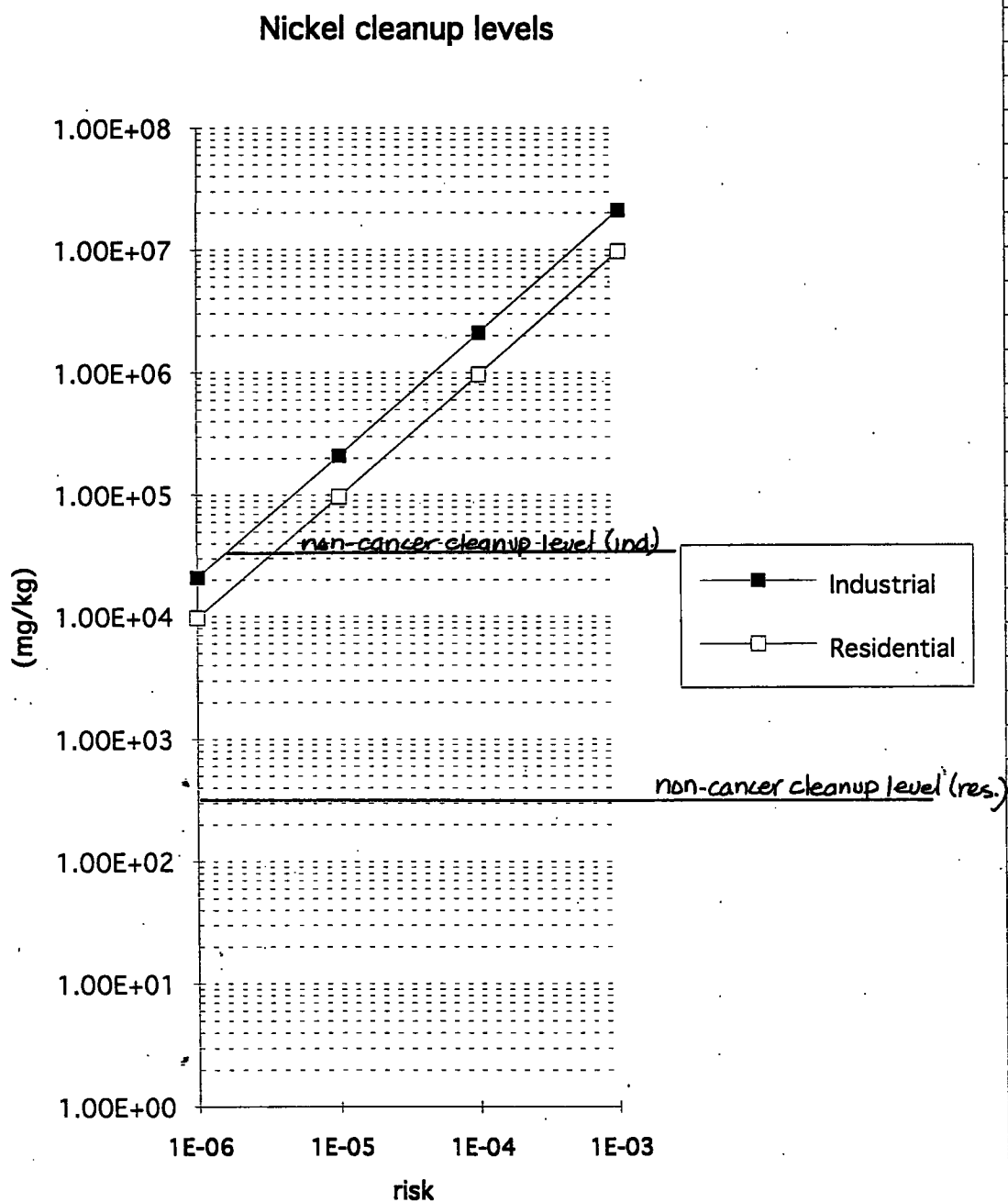
# Manganese

Manganese cleanup levels HPAL=1400					
RISK	1E+00	1E+00	1E+00	1E+00	
Industrial	4.30E+04	4.30E+04	4.30E+04	4.30E+04	
Residential	8.00E+02	8.00E+02	8.00E+02	8.00E+02	



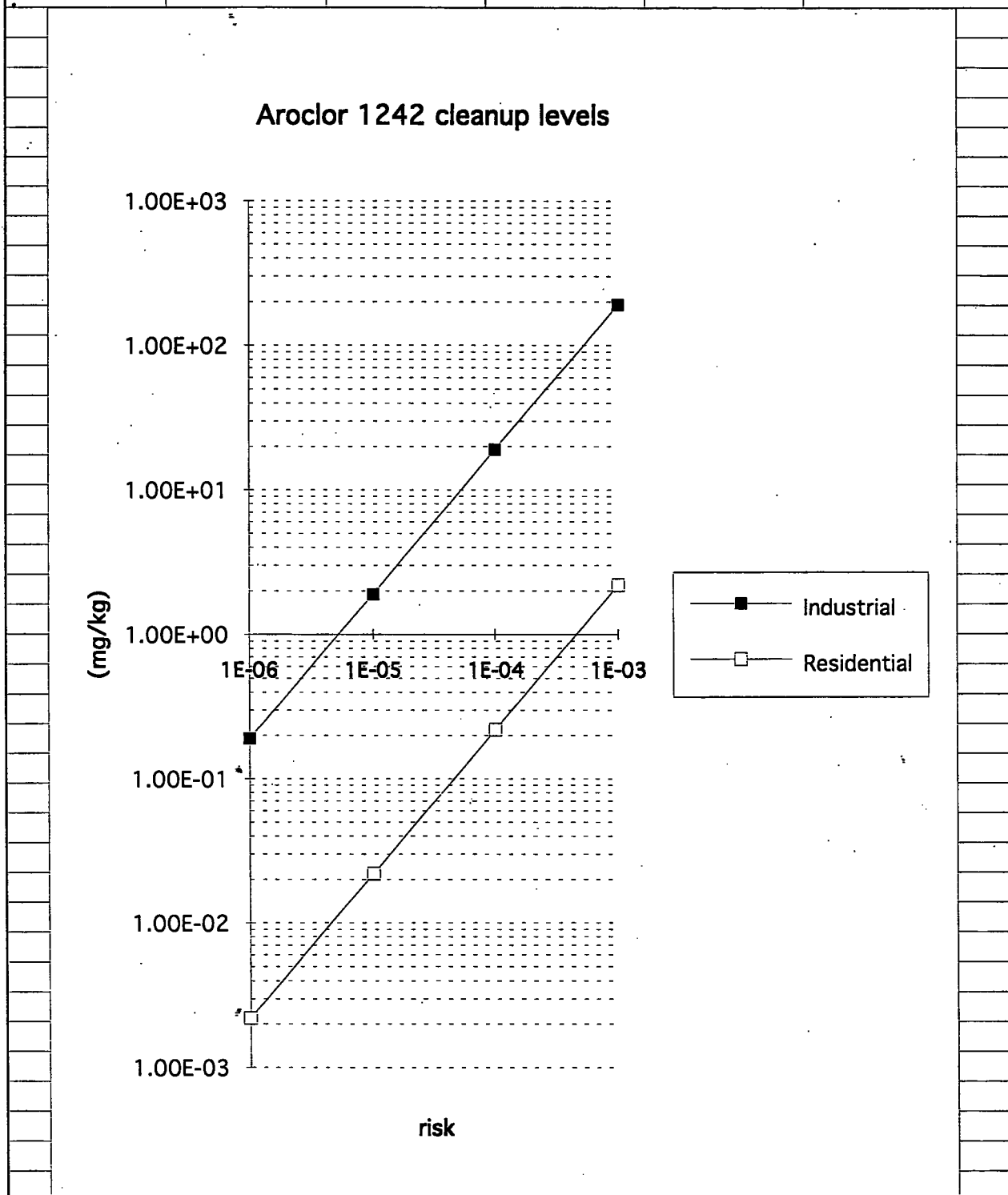
# Nickel

Nickel cleanup levels				
RISK	1E-06	1E-05	1E-04	1E-03
Industrial	2.10E+04	2.10E+05	2.10E+06	2.10E+07
Residential	9.70E+03	9.70E+04	9.70E+05	9.70E+06



# Aroclor1242

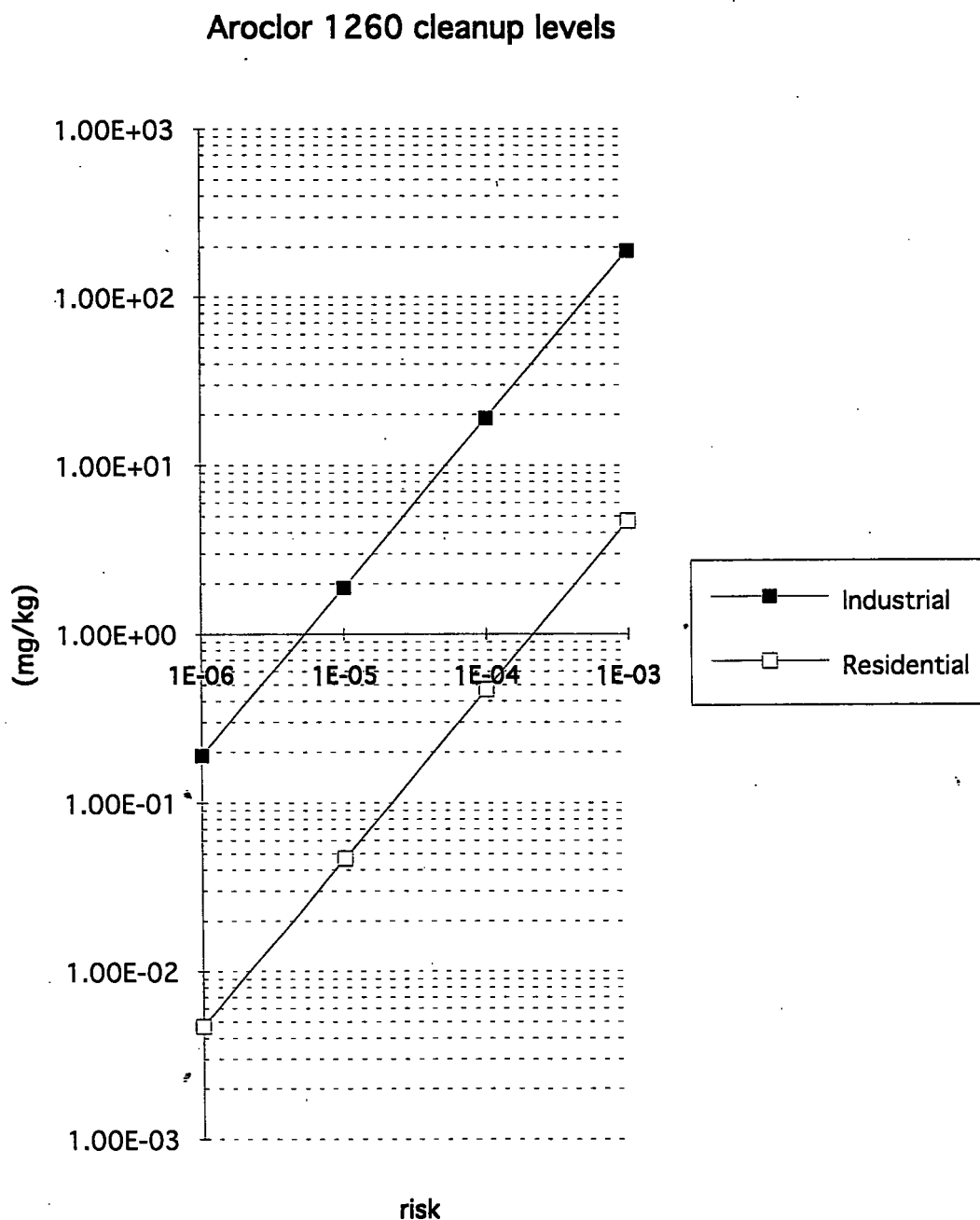
Aroclor 1242 cleanup levels					
RISK	1E-06	1E-05	1E-04	1E-03	
Industrial	1.90E-01	1.90E+00	1.90E+01	1.90E+02	
Residential	2.20E-03	2.20E-02	2.20E-01	2.20E+00	

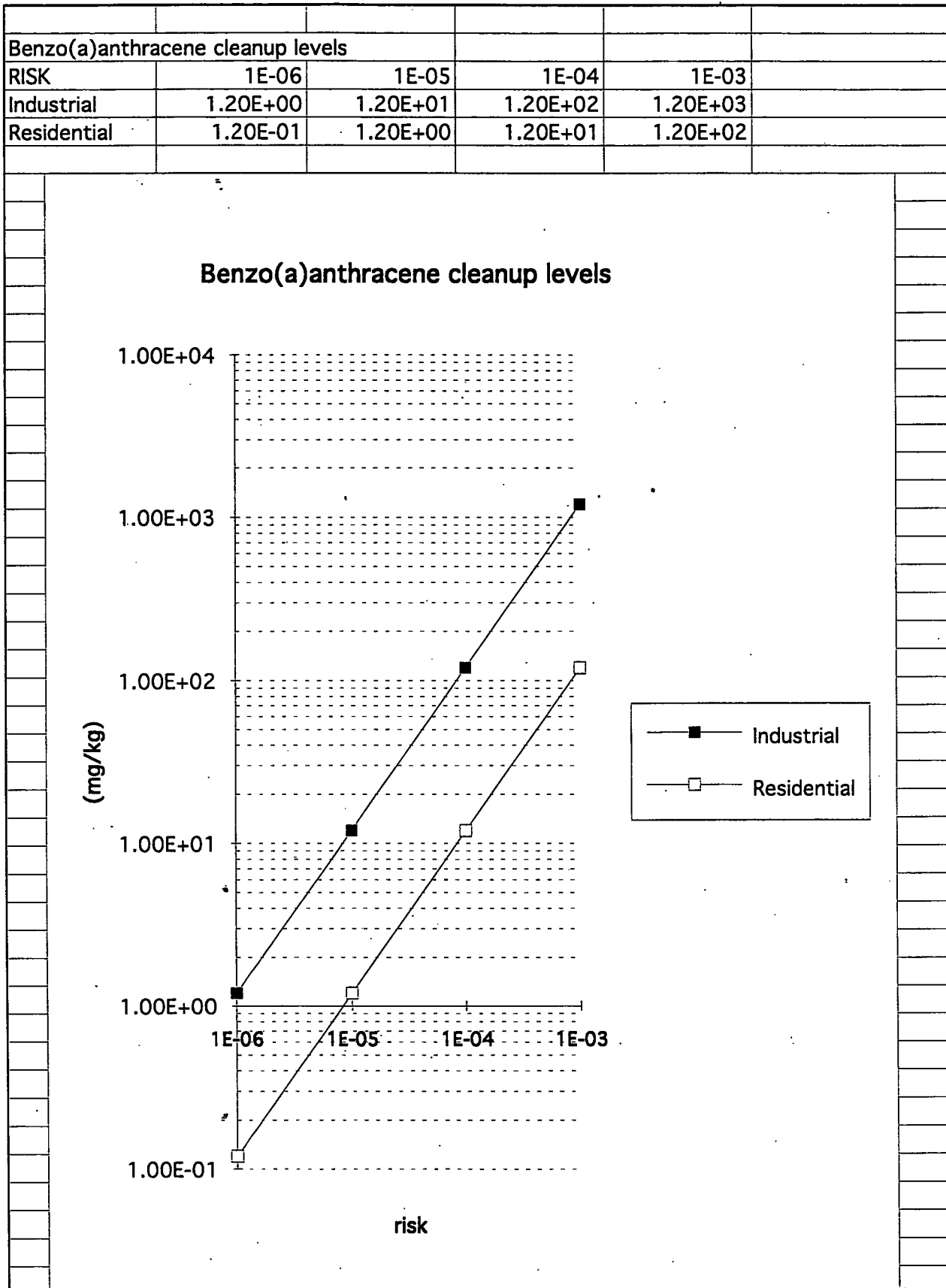




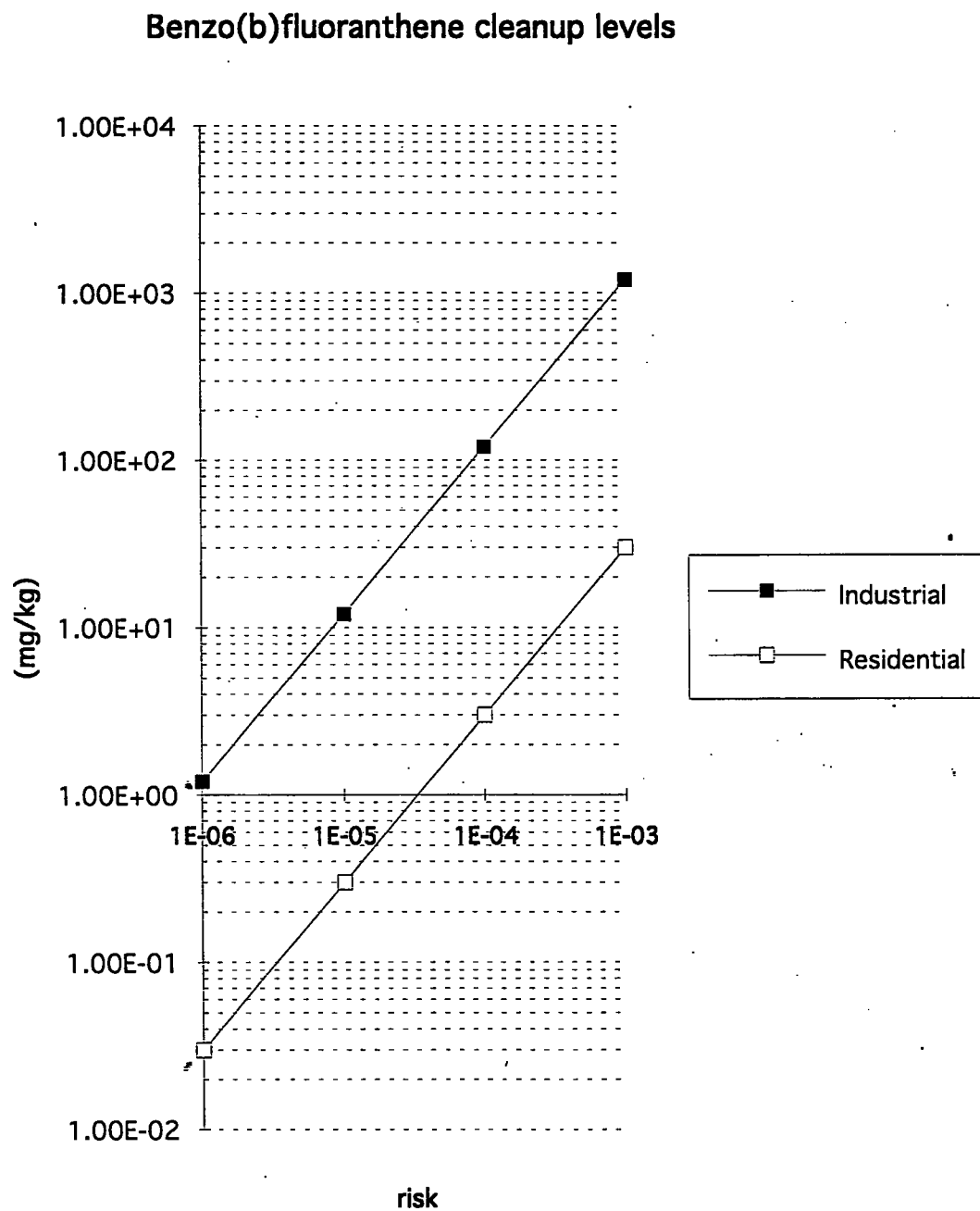
# Aroclor1260

Aroclor 1260 cleanup levels					
RISK	1E-06	1E-05	1E-04	1E-03	
Industrial	1.90E-01	1.90E+00	1.90E+01	1.90E+02	
Residential	4.70E-03	4.70E-02	4.70E-01	4.70E+00	

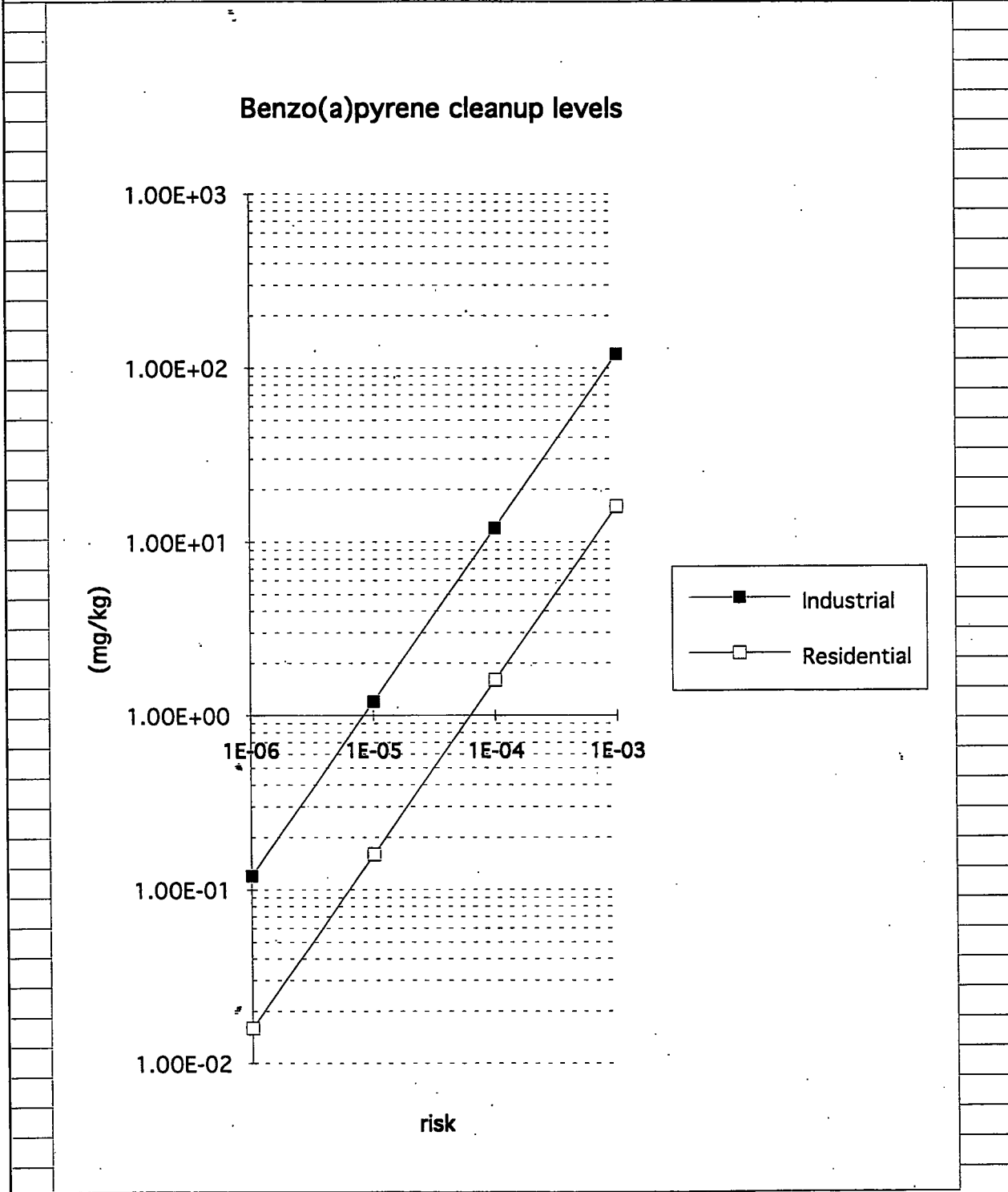




Benzo(b)fluoranthene cleanup levels					
RISK	1E-06	1E-05	1E-04	1E-03	
Industrial	1.20E+00	1.20E+01	1.20E+02	1.20E+03	
Residential	3.00E-02	3.00E-01	3.00E+00	3.00E+01	

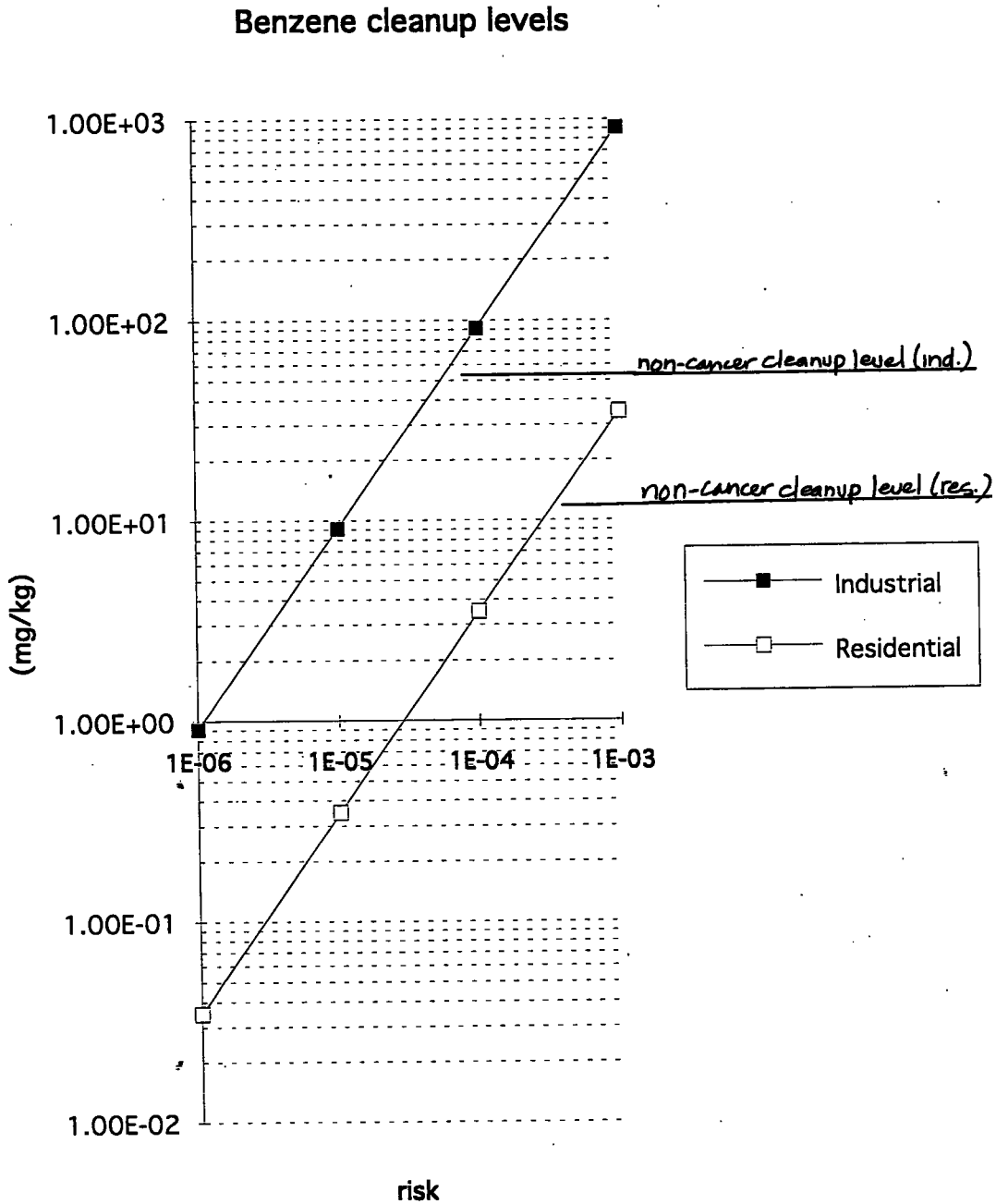


Benzo(a)pyrene cleanup levels					
RISK	1E-06	1E-05	1E-04	1E-03	
Industrial	1.20E-01	1.20E+00	1.20E+01	1.20E+02	
Residential	1.60E-02	1.60E-01	1.60E+00	1.60E+01	



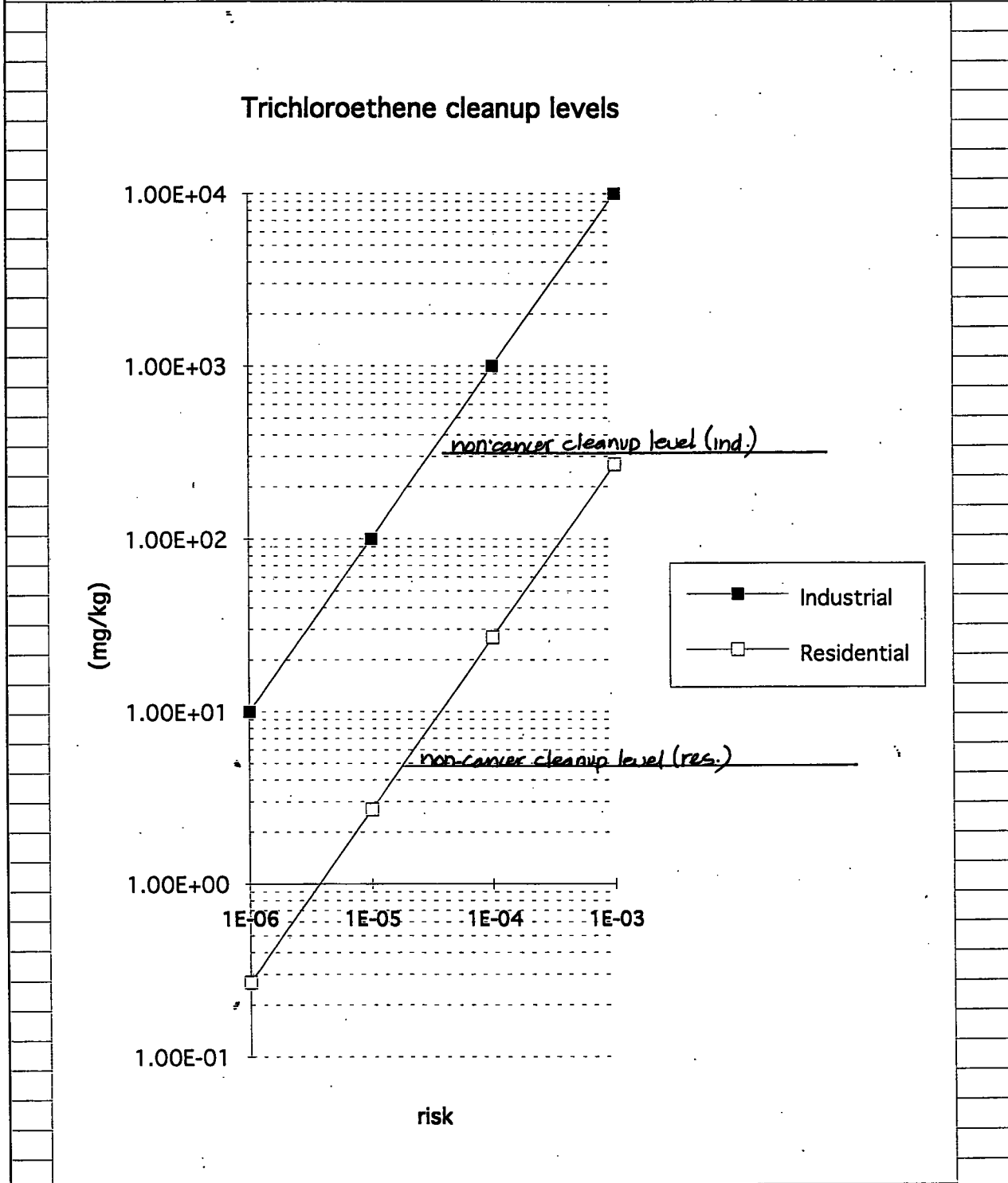
# Benzene

Benzene cleanup levels					
RISK	1E-06	1E-05	1E-04	1E-03	
Industrial	9.10E-01	9.10E+00	9.10E+01	9.10E+02	
Residential	3.50E-02	3.50E-01	3.50E+00	3.50E+01	

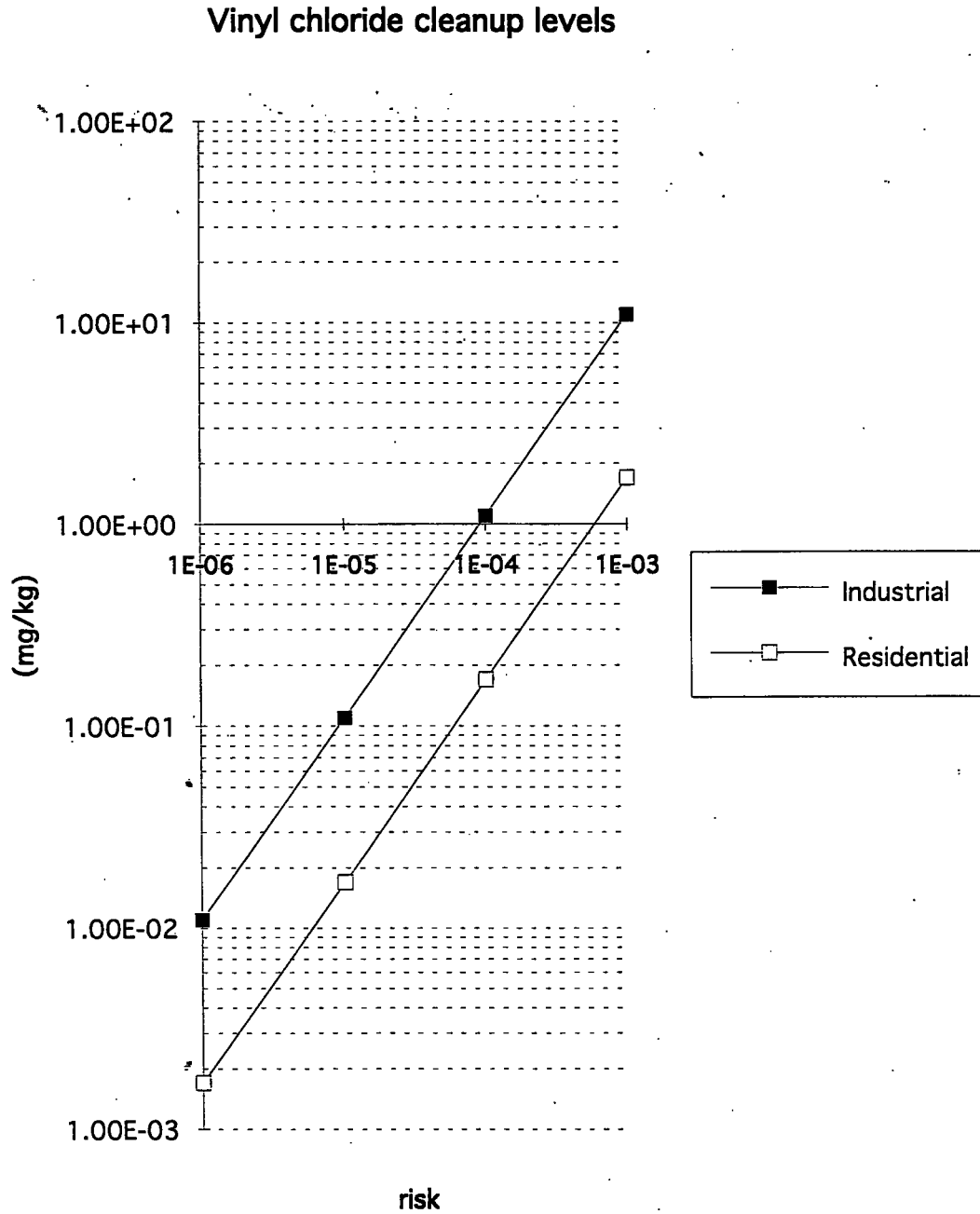


# TCE

Trichloroethene cleanup levels					
RISK	1E-06	1E-05	1E-04	1E-03	
Industrial	1.00E+01	1.00E+02	1.00E+03	1.00E+04	
Residential	2.70E-01	2.70E+00	2.70E+01	2.70E+02	



Vinyl chloride cleanup levels					
RISK	1E-06	1E-05	1E-04	1E-03	
Industrial	1.10E-02	1.10E-01	1.10E+00	1.10E+01	
Residential	1.70E-03	1.70E-02	1.70E-01	1.70E+00	



① FUDS

→ ② Parcel A

• aerial photos?

③ City - testing of soil on A?

State Land Trust - ~~over~~ jurisdiction  
over Fill Material  $\neq$  land?



**HUNTERS POINT SHIPYARD  
RESTORATION ADVISORY BOARD  
Wednesday, April 22, 1998**

**DRAFT MEETING MINUTES**

**LOCATION:** San Francisco City College  
2<sup>nd</sup> Floor Lounge  
1400 Evans Avenue  
San Francisco, CA

**PURPOSE:** To provide: (1) the Community Co-chair report, (2) a presentation on the Technical Assistance Grant (TAG) by SAEJ, (3) a Parcel F Feasibility Study orientation, (4) a Parcels E and/or F Feasibility Study breakout session, (5) and recommendations for the next RAB meeting agenda.

These minutes summarize the items discussed during the RAB meeting; they are not a verbatim transcript. Attachment A provides the attendance list, Attachment B provides the meeting agenda and Attachment C provides the presentation handout materials.

**FACILITATOR:** Doug Kern

**I. Call to Order and Announcements**

Doug Kern called the meeting to order at 6:10 p.m. and thanked all participants for attending. Mike McClelland, BRAC Environmental Coordinator and Navy Co-chair, stated he had additional announcements to make regarding Parcel B. Chris Shirley stated that she had a copy of EPA's draft reference manual on institutional controls and could provide the address for RAB members to request their own copy.

Mr McClelland made the following announcements:

The draft final Parcel B design documents were submitted for review on April 10; the 30 day review period ends May 11.

The draft final Parcel C Feasibility Study, originally scheduled to be submitted for review on May 8, will now be available on June 8.

The draft Parcel E Feasibility Study is now being reviewed; comments are due April 30.

The draft Parcel F Feasibility Study is also being reviewed; comments are due May 18.

## **II. Parcel B Update**

Mr McClelland stated that a Record of Decision (ROD) had been signed for Parcel B, detailing how the Navy will clear up the area. The Navy is currently proceeding with design documents, and has awarded the cleanup of Parcel B to the remedial action contractor. Cleanup will begin in May or June of this year.

Mr. McClelland explained that groundwater level readings taken in Parcel B, as part of the work for Parcel C, determined groundwater depth to be as shallow as two to four feet below ground surface in some areas. The Parcel B ROD directs cleanup of contaminated soil down to groundwater level. Although groundwater depth in most areas of Parcel B is down to 10 feet, there was a concern that not all of the contaminated soil would be removed in the shallow areas.

Following discussion with the regulatory agencies, it has been agreed upon that the Navy will follow the original Parcel B FS proposed plan, and clean down to 10 feet or extent of contamination if shallower at all excavation sites in the Parcel. The Navy will produce an Explanation of Significant Differences document to explain the different approach from that outlined in the ROD. The availability of the document will be announced in the newspaper. There will be no public review, however the document will be signed by the Navy, DTSC, U.S.EPA and RWQCB and made part of the record.

Ms. Shirley noted that TCE hot spots are located at about 12 feet below ground surface in IR Site 10, and asked if the Navy will remove soil to that depth in these particular areas. Mr McClelland stated he would check on the excavation at that site.

Valerie Heusinkveld introduced herself as the new project manager for DTSC, replacing Chein Kao.

## **III. Community Co-chair Report**

Jill Fox, one of the four Community Co-chairs, stated that she and Dorothy Peterson had met last week and developed a list of several projects they would like to see instituted. Ms. Fox requested that the RAB's meeting name cards reflect their representation. She also stated that there is a great need to have a resource center in a permanent location on or close to the shipyard. She noted that it could be used by the public to learn about HPS activities and would include the information repository, visual aids and a meeting place for the RAB. It would be intended for use during the clean-up and beyond, into reuse. Ms. Fox recognized the immediate need for a center since cleanup is beginning soon, and asked for guidance in putting together a proposal to get funding for the project.

Mr. McClelland noted that the idea of an information center has been discussed previously with the agencies and that he will speak with Ryan Brooks, EFA West, regarding the possibility. He added that there are not a lot of buildings available on the shipyard, but identified Buildings 101, 606, and 383 as possibilities. Ms. Shirley stated she thought the City was planning to establish a resource center on-site. Mr. McClelland pointed out that the Navy is in the process of leasing out to the City the old caretaker's site office, near the front gate. Amy Brownell, of the City, confirmed that the City would be moving some of the redevelopment agency functions on-site and agreed that it would make sense to include a resource center in this building. Ms. Brownell agreed to get more information on the city's plans and whether space would be available for a center.

Ms. Fox suggested that the Navy hold an information day event prior to the start of the cleanup, noting the short time frame in which to get information out to the community before cleanup begins. Mr. McClelland stated that it might be a good opportunity to visit the sites to be excavated. Ms. Peterson stated that an important role of the resource center would be to inform the community of the effects of toxins on the community, noting the importance of educating the community.

Mr. McClelland announced that the Base Cleanup Team (BCT) members, which include the Navy and regulatory agency representatives, will be out of town during the scheduled June RAB meeting to attend a BCT conference. He asked members to get back to him on whether to cancel or to reschedule the June RAB meeting. He suggested that a site visit could be arranged in place of the meeting. Ms. Peterson requested consideration of a stipend to be provided to the community co-chairs for their time.

#### **IV. Presentation on The Technical Assistance Grant (TAG) for SAEJ**

Ron Brown, an environmental engineer with MicroSearch Environmental, was introduced. MicroSearch is providing technical assistance to SAEJ through the TAG program. Mr. Brown explained that his company was not hired to act as a watchdog over the Navy but to help interpret data coming out of many different reports, and to help the community better understand the information. He noted that MicroSearch is experienced in working with the Navy in the Bay Area and has served as an environmental consultant to the Base Closure Commission.

Ms. Shirley recommended that in addition to summarizing documents it is also helpful to put HPS information in context with other sites, to show how HPS fits into the broader picture. Mr. Kern asked if MicroSearch plans to target recommendations to the community on Parcels E and F since the Feasibility Studies (FS) for both are currently under review. Mr. Brown stated that his company will be providing comments to SAEJ on the FS's, but noted that they are not acting independently. Alex Lantsberg, of SAEJ, explained that the TAG money is limited and therefore must be used carefully. He stated

that a meeting is scheduled for Tuesday, April 28 to serve as a question and answer session.

Espinola Jackson introduced herself as a community member and liaison for the San Francisco Bay Area Ohlone Nation. She stated that the shipyard is part of Ohlone land and a request has been made to return the land to the aboriginal people. She also requested that decisions regarding wetlands on the property be held until all interested parties can meet and discuss the issue, noting concerns regarding loopholes in the law.

## **V. Parcel F Feasibility Study Orientation**

Mr. McClelland stated that the Navy is in the process of starting a Validation Study for Ecological Risk for Parcel E, which will delay the Draft Final Parcel E Feasibility Study. Bill Radzevich, the Navy's project manager for Parcel E, distributed a public summary of the Parcel F FS Draft Report. Mr. Radzevich pointed out that Parcel F comprises 443 offshore acres, which constitutes all of the Navy's non-land area at HPS.

Neill Morgan-Butcher, of TeraTech EM Inc., provided an overview of the report. Mr. Morgan-Butcher explained that a study of off-shore sediments was performed several years ago to define off-shore contamination. Samples collected were generally tied into release sites from the base, such as stormwater outfalls. These investigations have lead to the recently completed FS.

Mr. Morgan-Butcher stated that in the FS, the Navy has looked at various indicators of risk to ecological receptors, particularly birds. He explained that after determining the risk based on the contaminate concentration in the sediment, certain criteria were used to judge whether the sediment is indicative of risk to receptor species. Areas that pose the greatest risk and areas that pose a secondary risk were then identified. Based on this information, the FS report outlines the application of several remedial alternatives.

Mr Morgan-Butcher reviewed the organization of the FS report. Volume 1 is much like other FS reports and contains an executive summary. It also discusses the areas of risk and presents alternatives for their remediation. Volume 2 contains all of the appendices to include the chemical data and its meaning in terms of risk; figures which present the data and the location of contaminants; and other supporting information. Mr. Morgan-Butcher stated that the report presents five options for site remedy which represent the spectrum of alternatives. The Navy expects to receive a lot of comments on the report.

Ms. Peterson asked why the report focuses on ecological impacts and not on impacts to humans. She noted that many people eat fish and mussels from the HPS area. Mr Morgan-Butcher responded that there is a concern about risk to humans, particularly through fish consumption, however it is difficult to assess since fish are very mobile and their exposure to contaminants from any particular site can't be determined. He added that the ecological risk is relatively accessible and provides the only direction to proceed in

at this point. Ms. Brownell encouraged the community to present their concerns and submit written comments on the document.

Jim Sickles, of TetraTech EM Inc., commented that it is known that people fish off HPS and eat the fish. The fish, however, travel and collect chemical contamination from all over the Bay. He noted it is a Bay-wide concern and suggested that the community submit comments regarding this concern. Erlinda Villa asked if signs have been posted warning people about the dangers of fish consumption. Mr. McClelland stated that signs are posted around HPS in four languages.

Charles Dacus asked if future studies are planned for Parcel F. Mr. McClelland responded that the studies have all been completed and that the FS report is the end result of the studies. Mr. Morgan-Butcher added that any future work would refine the information that the Navy now has from the studies.

Mr. Kern asked how sites would be capped underwater. Mr. Morgan-Butcher noted two options, dependent on the situation. In calm, shallower areas where sediment is deposited, about three feet of clay would be placed on top of the sediment and regularly monitored. In erosional areas, exposed to more scouring and currents, large boulders and rip rap would be placed on the sediment to hold it in place. Ms. Villa noted a new technology being used at the new stadium development site which uses below ground pressure to remove sediment. Mr. Morgan-Butcher responded that this technology was considered for HPS but was screened out because the data doesn't support this type of action.

Mr. Brown asked if the FS report identifies the source of some of the contaminants. Mr. Morgan-Butcher stated that it does and that most of the sources are clearly identified. Mr. Brown asked if bioassays are also included in the report. Mr. Morgan-Butcher stated that bioassays using solid phase sediment-based toxin tests are contained in the report. He noted that other bioassays using extracted water were unsuccessful and were therefore not used; high amounts of naturally occurring ammonia were contained in the extracted water which affected the results. Sheryl Lauth, U.S. EPA, stated that EPA is not in agreement with this approach, and will request that the extracted water, or pourwater, test be performed because it is more sensitive. She also mentioned that both EPA and DTSC have been requesting for several years that the Navy assess the human health pathway through fish consumption. She stated that written community comments regarding this concern would be appreciated.

Mr. Brown asked where the source of mercury and PCB's have been identified. Mr. Morgan-Butcher responded that the highest levels of mercury have been identified offshore adjacent to the old dry dock area and noted there are many possibilities for its presence. A lot of mercury moved through the area during mining activities or may have been brought in with fill material, or originated from local tanneries. Ms. Fox asked the approximate date of when the landfill was established. Mr. Morgan-Butcher responded

that it was begun sometime in the mid- 1800's. Mr. Sickles stated that the first dry dock at HPS was built in 1869.

Mr. Morgan-Butcher pointed out that other chemicals, such as Tributyltin, used to paint the bottom of boats and ships, have been detected. Tributyltin is not a known toxin to humans but is toxic to ecological receptors. It is likely that this chemical came from the storm sewer system. Mr. Brown asked about the concentration levels of PCB's, mercury, copper and lead. Mr. Morgan-Butcher replied that it varies, but that the highest levels of PCB's occur adjacent to the landfill. Ms. Shirley asked for an explanation of how the low level and high level tiers of risk were determined. Mr. Morgan-Butcher stated that the levels represent relative levels of risk, noting that the ecological risk screening methodology is not well-defined and is considered cutting edge. Discussion is still ongoing with the agencies as to what is appropriate and a range of alternatives have been presented. He referred to the Section 3 Remedial Action Objective discussion of the report, for an explanation of the approach. He noted that the approach for human health risk is more straightforward than that for ecological risk.

Ms. Brownell stated potential interest by the City in combining a possible wetlands creation project in Parcel E with the capping of sediments in Parcel F. She acknowledged that regulatory requirements may not allow this to happen, or it may be considered unfeasible, but that the City will likely explore the possibility. Mr. Morgan-Butcher noted that wetlands, however integrated, would improve the aesthetics of the shoreline in Parcel F. He pointed out that the Navy would be required to monitor the area to ensure that the remedial action remains effective.

Ms. Peterson asked how a situation is resolved when the regulatory agencies don't reach agreement with the Navy on a remedial action. Ms. Lauth responded that the regulators can decide not to sign the Record of Decision, and not to concur with property transfer. She stated that the regulatory agencies don't want this type of outcome, and that the Navy has generally worked cooperatively with the agencies. She noted that the fish consumption issue is long standing and difficult to resolve, but the agencies want the Navy to make the effort. Ms. Lauth also noted that the key question is whether the ecological cleanup is sufficient to protect human health.

Ms. Fox asked for clarification of the term *source control measures*. Mr. Morgan-Butcher explained that the term refers to on-shore activities, with regards to Parcel F. He pointed out that one of the greatest challenges will be to integrate the on-shore and off-shore activities. Ms. Fox asked if Parcel F comes last on the Navy's schedule of cleanups. Ms. Lauth stated that Parcel E is the last parcel scheduled for cleanup, and that sources identified in Parcel E that affect Parcel F will be addressed. Mr. Morgan-Butcher added that the schedule could also be affected by a decision by the regulatory agencies for the Navy to do additional work to fill some data gaps. Ms. Lauth noted that the Navy may also do a base-wide ROD which would ensure all concerns are addressed.

Ms. Fox asked for more specifics on the reference to off-site wetlands creation. Mr. Morgan-Butcher responded that jurisdiction on wetlands falls to the Regional Water Quality Control Board. He noted that a wetland restoration project was underway at Hamilton AFB and they were requesting dredge spoils, however HPS may be too late in the process to supply the material. He explained that if the material is acceptable to be used as cover material, then the Navy would not propose to dredge it. Timing is important as to when material is dredged and when another site may need it. Sediment disposed of on-shore has to first be de-watered, which is a very slow process.

Ms. Shirley asked if the screening considered background levels. Mr. Morgan-Butcher indicated that background levels were considered and the values used originated from a Regional Board Order. Ms. Lauth noted the problem of determining what is the Bay's contribution versus what is the HPS contribution of contaminants. Transects were established to determine gradients out from the base. Mr. Morgan-Butcher noted that the values were the same ones used in the risk assessment.

Ms. Jackson asked what was wrong with the vacant land lying between Griffiths St., Navy road and Palau. Mr. McClelland noted that there is nothing wrong with the area, pointing out it is part of Parcel A and due to be transferred to the City early next year.

Patrick Brown asked the estimated cubic yards of the material to be removed from Parcel F. Mr. Morgan-Butcher stated that the estimate is between 120,000 to 300,00 cubic yards, however due to limited data in some areas, the volume might increase or decrease from this range. Mr. Kern asked how the estimated maximum amount of dredging compares to other sites. Mr. Sickles responded that the Port of Oakland dredging project will remove 50,00 cubic yards. Mr. Brown asked if the Navy is communicating with the Corps of Engineers about dredging methods. Mr. Morgan-Butcher indicated that dredging is an established technology in the Bay Area and the dredging team has been involved in other projects around the Bay.

Ms. Peterson asked how long it will take to complete cleanup of Parcel F and what will be the cost. Mr. Morgan-Butcher stated that it could take anywhere from zero to twenty years to complete. Mr. Sickles noted that the cost ranges from about \$14 million for the least expensive remedy to \$42 million for the most expensive. Mr. McClelland stated that there is currently three million dollars in the budget for the entire cleanup, and so cleanup will require more money. The overall cleanup will cost approximately \$450 million including cleanup and investigation already completed.

Mr. Morgan-Butcher stated that the potential synergy of effort between Parcel E and F may help minimize the cost somewhat. The proposed sheet piling wall placed off-shore may capture much of the contamination from Parcel E. Mr. Sickles added that the current groundwater removal action at the landfill has been specifically designed to intercept PCB-laden water, which will lessen the migration of PCB's to the shoreline and into the Bay.

Mr. Kern noted the importance of community members writing up and submitting their comments on the Parcel F FS report so that the Navy can address their concerns. Mr. McClelland stated that the discussion on the Parcel F FS can be continued at the next RAB meeting. He also requested community co-chairs to contact him with agenda items for the next meeting.

Mr. Kern adjourned the meeting at 7:57 p.m.

**The next RAB meeting will be held on Wednesday, May 27, 1998, at the San Francisco City College, 6:00 p.m.**

**DRAFT**



**ATTACHMENT A**  
**MEETING AGENDA**

**AGENDA  
HUNTERS POINT SHIPYARD  
RESTORATION ADVISORY BOARD**

**DATE:** April 22, 1998

**LOCATION:** SF City College  
2<sup>nd</sup> Floor  
1400 Evans Avenue  
San Francisco

- |      |  |
|------|--|
| 6:00 | 1. Call to Order and Announcements<br><br>(Upcoming Documents and Activities)  |
| 6:05 | 2. Community Co-chair Report<br><br>(An opportunity for the community Co-chairs to discuss information of interest to the RAB)   |
| 6:15 | 3. Presentation on the Technical Assistance Grant (TAG) by SAEJ<br><br>(An opportunity to meet the technical expert hired by SAEJ for their TAG from the EPA)                    |
| 6:25 | 4. Parcel F Feasibility Study Orientation<br><br>(We will have a short orientation on the Parcel F FS: how it is organized and what to look for)                                 |
| 6:45 | 5. Parcels E and/or F Feasibility Study Breakout Session<br><br>(We will have an opportunity to meet in small groups to discuss the Parcel E FS and/or the Parcel F FS reports.) |
| 7:55 | 6. Recommendations for Agenda Items for next RAB meeting and future field trips/activities   |
| 8:00 | 7. Adjourn   |

**ATTACHMENT B**  
**RAB MEETING ATTENDANCE SHEETS**


**HUNTERS POINT SHIPYARD**  
**Restoration Advisory Board Meeting Attendance**

Date: April 22, 1998

RAB MEMBER	Present	ALTERNATE	Present
Vanessa Banks			
Bernestine Beasley			
Bill Billotte			
Sy-Allen Browning			
Wendy Brummer-Kocks		Alex Cantenberg	✓
Anthony Bryant			
Robert Christian			
Therese Coleman			
Percy A. Coleman			
Charles L. Dacus, Sr.	✓		
Alonzo L. Douglas			
Vida Edwards			
Janet Ellis			
Laurie Espinoza	le		
Manuel J. Ford	✓		
Jill Fox	✓		
Bonnie Fraenza			
Greg Freeman			
Silk V. T. Gaudin			
Michael Harris			
James A. Heagy			
David E. Jackson			

<b>RAB MEMBER</b>	<b>Present</b>	<b>ALTERNATE</b>	<b>Present</b>
Helen Jackson			
Henrietta Jones			
Doug Kern	DF		
Anthony LaMell			
Scott Madison			
Mamie Matthews			
Khafra K. Omra Zeti			
Hali Papazian			
Dorothy Peterson	X		
Rev. J.P. Pryor			
Christine Shirley	X		
Carol E. Tatum			
Leon Thibeaux			
Erlinda B. Villa			
Caroline Washington			
Mrs. Oceola Washington			
Gwendolyn Westbrook			
Nathanial White III			
Andre Williams			
Patricia Wright			
Mark Youngkin			

REGULATORS	Present	Agency
Amy Brownell	<i>AB</i>	S.F. Dept. Of Public Health
John Chester		S.F. Dept. of Public Works, Site Assessment Remediation Division
Byron Rhett		S.F. Redevelopment Agency
Kenneth Shaw		U.S. Dept. of the Interior
Claire Trombadore		U.S. EPA
Sheryl Lauth	✓	U.S. EPA
Dr. Dan Stralka		U.S. EPA
Richard Hiett		RWQCB
Mike Williams/Bettie Woods		BDI, Inc.
<i>Valerie Heuser Kneid</i>	<i>yes</i>	<i>DTSC</i>
<b>U.S. NAVY</b>		
Ryan Brooks		Dir of Community Relations, EFA West
Cdr. Jim Gustafson		Bay Area Base Transition Coordinator
Michael McClelland <i>here</i>		Navy Co-chair, EFA West
Bill Radzevich	<i>BR</i>	EFA West
Luann Tetrick	<i>LT</i>	EFA West
<b>TETRA TECH EM INC.</b>		
Stacey Lupton <i>here</i>		
Jim Sickles <i>here</i>		
<i>Nail Morgan-Butcher</i>		

GPI	Present	
Darlene Brown	here	
Barry Gutierrez	here	
PUBLIC/GUESTS		Address/Phone
Ron Brown MicroSearch Environmental		1550 BRYANT SUITE 535 S.F., CA 94103
Yolanda Villa		1267 Revere Ave San Francisco, CA 94124
Edward Ochi		B11 606 HPSS
Rona Sandler		1390 Market St SF CA 94102
Espinola Jackson <sup>DB</sup>		
Patrick Brown		699 Amador Street S.F. CA 94134
Rich Cusick		187 DOKE AVE SF, CA 94103
		

**ATTACHMENT C**  
**HANDOUT MATERIALS**



## Hunters Point Shipyard Parcel F Feasibility Study Draft Report

### Public Summary

The Navy recently completed a study of possible cleanup options for Parcel F at Hunters Point Shipyard (HPS). The findings are presented in the Parcel F *feasibility study* report, which presents an evaluation of five cleanup options for Parcel F and the estimated costs for each option. A table summarizing the five cleanup options being considered for Parcel F is attached to this public summary. A general description of the actions that are used in the five options is also attached.

The shipyard is divided into six property parcels, A through F. Parcel F includes 433 offshore acres of underwater land surrounding the shipyard. The offshore area is the main destination for discharge from the shipyard's storm water system and may receive contaminants from the old industrial landfill in Parcel E.

A study was conducted to assess possible risks to birds and marine life in the offshore area that may be exposed to contamination from the shipyard. The "ecological risk assessment" report is available at the public information repository listed in this public summary. The assessment found that sediments contain hazardous substances including pesticides, PCBs and metals such as copper, lead, zinc, mercury, and silver at concentrations that may pose a risk to birds and marine life in the offshore area. Sources of contamination in the offshore area appear to include several outfalls from the shipyard's storm water system, other non-HPS industrial operations around San Francisco Bay, and *leachate* from the Parcel E landfill. Cleanup options to address risks posed by contamination have been developed and are presented in the feasibility report.

It is important to note that steps have already been taken to prevent contamination from moving out of the outfalls and the Parcel E landfill, and into to San Francisco Bay. The Navy has addressed the source of contamination in the outfalls by removing contaminated sediments from the storm water system, which included catch basins and storm drain lines. The Navy is now evaluating the storm water system to identify areas where contaminated groundwater can enter the system, and repairs are planned for the identified areas. The Parcel E landfill is similarly being addressed; a subsurface steel wall (a *sheetpiling wall*) has been installed between a portion of the landfill and the Bay to prevent the movement of contaminants from the landfill into the Bay.

Before selecting a cleanup method for Parcel F, the Navy will issue a *proposed plan* to the public that presents the Navy's preferred cleanup plan along with the other cleanup options proposed for Parcel F. The Navy will hold a 30-day public comment period, scheduled to begin on September 6, 1998, to hear public concerns and suggestions about the cleanup options proposed for Parcel F. During the comment period, a public meeting will also be held to allow community members to voice their opinions on the proposed cleanup plan for Parcel F directly to the Navy. After the Navy reviews all comments received during the public comment period, the Navy will select a cleanup plan.

*Terms shown in italics are explained on the attached "Definition of Terms."*

## SUMMARY OF CLEANUP OPTIONS FOR PARCEL F

Option No.	Combinations of Options Assessed
1	<ul style="list-style-type: none"><li>• No action*</li></ul>
2	<ul style="list-style-type: none"><li>• Dredging</li><li>• Capping In-Place with On-Site Wetland Creation</li><li>• Confined Disposal Facilities</li><li>• Source Control Measures</li><li>• Long-Term Monitoring</li></ul>
3	<ul style="list-style-type: none"><li>• Dredging</li><li>• Confined Disposal Facilities</li><li>• Source Control Measures</li><li>• Long-Term Monitoring</li></ul>
4	<ul style="list-style-type: none"><li>• Dredging</li><li>• Dewatering</li><li>• Stabilization</li><li>• Off-Site Landfill Disposal</li><li>• Source Control Measures</li></ul>
5	<ul style="list-style-type: none"><li>• Dredging</li><li>• Capping In-Place with On-Site Wetland Creation</li><li>• Off-Site Wetland Creation</li><li>• Confined Disposal Facilities</li><li>• Source Control Measures</li><li>• Long-Term Monitoring</li></ul>

\*Federal law requires that a "no-action" option be considered as a baseline to compare and evaluate all other cleanup options. Under this option, no action would be taken to clean up contaminated sediments; sediments would be left in its current condition.

### Evaluation Criteria

Each of the five cleanup options must be evaluated against nine factors to determine the most effective and protective alternative. These factors:

- Overall protection of human health and the environment
- Compliance with applicable federal and state environmental requirements
- Long-term effectiveness and permanence of the alternative
- Ability to reduce the toxicity, mobility, and volume of contaminants through treatment
- Short-term effectiveness of the alternative
- The ease or difficulty of implementing the alternative
- Cost
- Acceptance of the state regulators
- Acceptance of the community

## **Summary Description of Proposed Actions**

The five cleanup options listed in the table on the previous page are made up of various combinations of sediment cleanup actions. A general description of these actions is provided below in the order that they appear in the table.

**Monitoring.** Periodic sampling and analysis of the offshore sediment to ensure contamination is not moving from the shipyard to the Bay, as well as checking the integrity of any cleanup measures put in place.

**Capping In-Place.** Placing clean clay or fill material over contaminated sediment to contain it. Capping-in-place would be used in subsurface areas with minimal currents or tidal action and where sediments are unlikely to move. Contamination in areas where erosion and sediment movement is likely would be addressed through other techniques, for example, confined disposal facilities (see below).

**On-Site Wetland Creation.** Construction of a wetland by consolidating and capping contaminated sediments within the South Basin area at the east end of Parcel E with clean fill material.

**Confined Disposal Facilities (CDF).** Dredging contaminated sediments and placing the sediments in a contained area that is designed so that it is sealed off from the remainder of the Bay. For example, an area contained by sheet piling (subsurface/underground steel walls) may be constructed and covered with a clay cap to completely contain the contaminated sediment and prevent it from moving into the Bay.

**Source Control Measures.** Measures taken to control or eliminate sources of contamination affecting the bay waters and sediments.

**Dredging.** Excavating contaminated sediments for either disposal in the CDF or treatment and disposal at an off-site landfill or wetland creation project.

**Dewatering.** Extraction of water from the dredged sediment. In the event sediment is sent to an off-site landfill, it must be dewatered prior to transport. The extracted water would be discharged to the Bay or sanitary sewer after sampling and analysis.

**Stabilization.** A technology used to treat contaminated sediment. After it is dewatered, the sediment is mixed with a material that binds sediment and contaminants to reduce the mobility of the contaminants to make it acceptable for landfill disposal.

**Off-Site Landfill Disposal.** Excavation of contaminated sediments and disposal of the sediments at a licensed off-site landfill.

Off-Site Wetland Creation. Using dredged sediment to create a wetland in an area other than the shipyard offshore area. Sediments dredged offshore from the shipyard would be placed in another area and covered with clean clay material to contain the sediment and form a wetland.

**For more information about environmental investigations and cleanup at Hunters Point Shipyard, you may contact Mr. Jeff Young with the Navy at: 650/244-3041 (phone); 650/244-3010 (fax)**

**or by visiting the public information repository located at:**

**San Francisco Public Library  
Anna E. Waden Branch  
5075 Third Street, San Francisco  
or  
City of San Francisco Main Library  
Civic Center  
San Francisco**

#### **DEFINITION OF TERMS**

**Ecological Risk Assessment (ERA):** An evaluation of the potential hazard to plants, animals, and their habitat as a result of exposure to chemicals at Hunters Point Shipyard.

**Feasibility Study:** A study in which potential cleanup options are identified and evaluated based on their effectiveness, ease of implementation, cost, and other factors.

**Leachate:** A contaminated liquid resulting when water trickles through waste materials and collects components of those wastes.

**Proposed Plan:** A document that summarizes the cleanup methods examined in the feasibility study, presents the recommended method, and is used to solicit comments from the public.

**Sheetpiling Wall:** An underground steel barrier wall installed to prevent groundwater movement.



May 21, 1998

Dear RAB Board Member,

As requested at the last RAB meeting, the deadline for submission of comments on the Parcel F Feasibility Study has been extended 30 days to June 18, 1998. At this RAB meeting we will continue our discussion of the Parcel F Feasibility Study.

We will have a chance to talk with SAEJ on their community meeting with MicroSearch, the technical consultant working for SAEJ on their Technical Assistance Grant from the U.S.EPA.

At the last RAB, Jil Fox put forward a suggestion from the community co-chairs that a public resource center be set up on the Shipyard. At this meeting we will have a further discussion on what the community would like to be made available.

The meeting will start at 6:00 pm at the San Francisco City College at 1400 Evans Avenue on the 2<sup>nd</sup> floor. Enclosed are the agenda for the meeting on Wednesday evening, the 27<sup>th</sup> of May and the minutes from our April meeting.

I hope that you are able to attend our next meeting.

Sincerely,

Michael McClelland  
Navy Co-chair

**HUNTERS POINT SHIPYARD  
RESTORATION ADVISORY BOARD  
Wednesday, May 27, 1998**

**DRAFT MEETING MINUTES**

**LOCATION:** San Francisco City College  
2<sup>nd</sup> Floor Lounge  
1400 Evans Avenue  
San Francisco, CA

**PURPOSE:** To provide: (1) the Community Co-chair report, (2) a discussion of the community meeting with MicroSearch, the TAG technical consultant to SAEJ, (3) a discussion of establishment of a resource center, (4) a Parcel F Feasibility Study discussion, (5) and recommendations for the next RAB meeting agenda.

These minutes summarize the items discussed during the RAB meeting; they are not a verbatim transcript. Attachment A provides the attendance list, Attachment B provides the meeting agenda and Attachment C provides the presentation handout materials.

**FACILITATOR:** Doug Kern

**I. Call to Order and Announcements**

Doug Kern called the meeting to order at 6:05 p.m. and welcomed all attendees. Mike McClelland, BRAC Environmental Coordinator and Navy Co-chair, made the following announcements:

- Both Claire Trombadore, U.S. EPA, and Sheryl Lauth, U. S. EPA notified Mr. McClelland that they were unable to attend tonight's meeting.
- The comment period for the draft Parcel F Feasibility Study (FS) has been extended from May 18 to June 18, 1998.
- At the request of the City of San Francisco, the comment period for the draft Parcel E FS has been extended from April 30 to May 31, 1998.
- The draft final Parcel B Remedial Action document, which explains the cleanup process for Parcel B, is expected to be submitted in late June for an expedited review. The original plan was to turn the parcel over to the city in January 2000; the expedited plan calls for a portion of the parcel to be turned over to the city between January and May 1999, with the complete parcel available by September 1999.

- The RAB was reminded that the BCT members will be attending an out-of-town conference during the next regularly scheduled RAB meeting. It was decided that a site tour of Parcel B would be held in place of the meeting, but one week in advance. All those interested are requested to meet on Wednesday, June 17 at 6:00 p.m., at the parking lot by Dago Mary's restaurant. Several Navy vans will be available for the tour, and the remediation contractor, IT Corp., will have representatives on hand to present information and answer questions.

## **II. Community Co-Chair Report**

Jill Fox, one of four Community Co-Chairs, noted that discussion of the establishment of a resource center was scheduled for later in the agenda. She also reiterated her request from the April meeting that new meeting name cards be created for RAB members reflecting their affiliations. Mr. McClelland responded that new name cards would be in place by the July RAB meeting.

## **III. Discussion of Community Meeting with MicroSearch, the TAG Technical Consultant to SAEJ.**

Alex Lantsberg, of SAEJ, stated that due to a communication mix-up, MicroSearch representatives did not attend a recently held community meeting. The meeting was attended by eight or nine community members and discussion focused on the Parcel E FS.

Major points of concern on the Parcel E FS include:

- The long-term effectiveness of the sheet piling wall
- Who has responsibility for the mitigation of groundwater contamination
- The storm drain system and whether there has been penetration of contaminants into the groundwater from the pipes
- Capping alternatives to include measures to ensure long-term integrity of the caps; soil removal transportation; historical comparison between other Navy facilities; other capping options; reuse questions regarding groundwater and human health; radioactive contaminants in the landfill; whether the treatment plant can handle the extent and degree of contaminants in the groundwater; and general human health concerns.

Erlinda Villa also noted budget concerns and asked whether there would be funding to monitor cleanup remedies over the long-term. Mr. McClelland responded that all cleanup, repairs and remedies are the responsibility of the Navy. He stated that the budget includes funds for the long-term operation and maintenance of remedies, usually 30 years. He noted that the Navy will regularly monitor for five years, and if contaminants are determined to not be migrating, can apply to the State and to U.S. EPA to reduce the frequency of or discontinue monitoring. He added,

however, that the Navy is not provided with a pot of money to be set aside for long-term use, but must go through the same yearly budget process as is currently used to fund the cleanup.

A member of the audience asked if there will be a public hearing or meeting as part of the five year review process. Mr. McClelland stated he was unsure of whether there is a public participation component to this process, but did not think there was. He added that there would likely be a public announcement if there were any changes to the monitoring process at the time of the five year review. He also noted that there may no longer be a RAB once the remedies are in place.

Mr. Lantsberg stated that SAEJ submitted their written comments to the Navy on the Parcel E FS. He indicated they would do the same for Parcel F.

#### **IV. Discussion of Establishment of a Resource Center**

Ryan Brooks, EFA West's Director of Community Relations, stated that he spoke briefly with Ms. Fox earlier in the day regarding the RAB's request for establishment of a Resource Center. He stated he was still gathering information, but that he perceived it as being more of a reuse/redevelopment center. Ms. Fox explained that the idea was originally discussed as a center for cleanup information, but that during the last RAB meeting, a desire was also expressed to have a reuse center. She noted that since the general public doesn't make the distinction between the cleanup and the reuse, it would make sense to have all this information in one location for the local community.

Amy Brownell, of the City of San Francisco, stated that she has not yet had a chance to discuss opportunities for a center with Byron Rhett, San Francisco Redevelopment Authority. She added that she didn't think the Redevelopment Authority had concrete plans yet about when and where they would establish offices at HPS.

It was agreed that the Community Co-Chairs would meet with Mr. Brooks to further discuss the need for a resource center. Mr. Brooks noted that Ms. Trombadore had suggested that the Navy develop a Community Relations Plan for the Parcel B cleanup. As a result, Mr. Brooks stated he drafted some ideas on how to better inform the community of Parcel B cleanup activities. These ideas include posting a 1-800 number on trucks removing soil from the site so that the community can report problems; establishing a local hotline so that the community can contact a local authority to discuss concerns; creating a one-page fact sheet providing information on the cleanup and the truck route; and distributing informational flyers about cleanup activities.

Ms. Fox noted that the RAB would like to know who the contact person will be to answer phone calls. Mr. Kern noted that it would be a good idea to have the phone number on the truck be a local number. Mr. Brooks stated that it might be helpful if the number is directed to EFA West so the Navy can be attentive to problems. Mr. McClelland pointed out that calls might instead be directed to the Navy's on-site resident office in charge of construction since that office has direct



control over contractor activities. Ms. Fox stated that the resource center should not only deal with problems but should also serve as an information source. Ms. Fox inquired as to the date that cleanup would begin. Mr. McClelland responded that the Remedial Action document first needs approval before full scale soil removal can begin. The contractor has been given the O.K. to proceed with preliminary soil sampling to further characterize the site, and help determine whether soil will be removed by railcar. He added that truck hauling will likely begin in late June to early July.

Dorothy Peterson stated that community outreach should not be limited to written materials but should include public service announcements, and should also include contact with churches. Mr. Kern noted that the presidio used radio and television public service announcements to notify the community when it conducted soil removal activities.

Mr. Brooks suggested that an information table be set up by the shipyard during the first week of soil removal with a person on hand to answer questions from the community. James Heagy suggested that Building 915 would be a good location for the resource center. Mr. McClelland stated that the Redevelopment Authority plans to use this building and asked Ms. Brownell to check into space availability for a resources center in Building 915. Ms. Brownell noted the lack of parking as one drawback to use of this building. Ms. Fox suggested that a date be set for getting flyers out to the community so that RAB members can assist with development of the flyer.

## **V. Parcel F Feasibility Study Discussion**

Mr. McClelland called upon Neill Morgan-Butcher, of TetraTech EM Inc., to assist with continued discussion of the Parcel F FS. Mr. Morgan-Butcher reiterated the importance of community members submitting comments to the Navy on the feasibility studies. He noted that representatives of Levine-Fricke Recon, the primary author of the Parcel F FS document, were present at the meeting to help answer questions.

Mr. Morgan-Butcher recapped last month's discussion of the document, noting that the Parcel F FS is an assessment of the off-shore area of HPS. Previous discussion included the location, extent and type of contaminants present in the parcel; the various remedies outlined in the FS; concerns regarding human health and the degree to which the document didn't address human health issues; and the difficulty of defining ecological risk because the science is not yet well-defined. Questions regarding the engineering aspects were encouraged because the Levine-Fricke engineers were in attendance.

Charles Dacus, Sr., asked if it had been decided which of the five cleanup options to use. Mr. McClelland explained that no decision has been made because the FS is only a draft document. The draft final FS will incorporate all comments received on the draft, which the Navy will then review. The Navy will then select one option which will be presented as the proposed plan. A public meeting will be held to take comments on the proposed plan, which will then be finalized into a Record of Decision (ROD). Roger Levinthal, of Levine-Fricke, noted that all of the

alternatives in the draft FS are effective and technically feasible, but that other considerations such as cost, community acceptance and regulatory comments, will factor into the final decision.

Chris Shirley noted that several of the options involve dredging of the sediment, which then has to be dried. She asked if there was any way the FS could include an assessment of the odor likely to come from the drying process. Mr. Levinthal responded that some indication of the odor produced could probably be included in the document. He added that drying is required only for off-site disposal of the dredge material. Ms. Shirley asked why dredged sediment is not dried if it is placed elsewhere on the base. Mr. Levinthal responded that the sediments would be placed in the dry docks and so can be dewatered on-site.

Mr. Morgan-Butcher noted that the Corrective Action Management Unit (CAMU) option is currently under review with U.S. EPA and may cease to be an option due to lack of community acceptance. He explained that, under the CAMU, soil would be brought in and placed over the Parcel E landfill, followed by a liner, then a protective cap. The cap would be built up so that water would not flow into the landfill. The thought is that the dredged sediments from Parcel F would be used as the fill material between the landfill and the cap.

David Gavrich, of ECDC, followed up by stating that there is an opportunity for combined remediation activity at Parcels E and F. He noted that Levine-Fricke's concept of restoring a wetland dovetails well with remediation of Parcel E. Mr. Gavrich stated that by removing the worst contaminants from Parcel E, a wetland could be created offshore out of the remaining, less contaminated sediments. He added that he believes the CAMU works against the community, as well as ECDC. He noted that removing the land fill is less expensive than leaving it there and encouraged that a creative approach be taken in the remediation of Parcels E and F.

Mr. Morgan-Butcher stated that issues at Parcels E and F are recognized as inseparable by the Navy and the agencies. U.S. EPA has requested a more detailed evaluation of the removal of the landfill for consideration. Mr. Gavrich offered to provide costs for the removal of sediments off-site by rail. Mr. Brooks asked if it is feasible to remove the landfill and whether it is protective to the health of the workers. Mr. Morgan-Butcher replied that U.S. EPA has a policy that once a landfill gets above a certain cubic yardage, it should be capped rather than removed. The HPS landfill exceeds this amount and so is the reason for consideration of the capping option. He added that removal of the contents of the landfill definitely poses problems to the workers, especially since there are unknowns associated with the HPS landfill.

Ms. Fox asked if the Navy was still considering a base-wide ROD for HPS. Mr. McClelland noted that it was still under consideration with the Navy and the agencies. He stated that all the parcels are contiguous, and a base-wide ROD would provide the opportunity to look at how each of the remediations ties into each other. Mr. Morgan-Butcher pointed out, however, that a base-wide ROD doesn't solve problems with Parcels E and F. He pointed out the concern that the remediations be structured to be compatible, yet each is being developed separately and on a different timeline. He noted that there is less of a problem posed between the other on-shore parcels and Parcel F, because there is a more defined boundary in place.

Mr. Morgan-Butcher stated that since the reuse plan calls for the creation of wetlands in Parcel E, the Navy is obligated to evaluate that and determine the feasibility. He noted that it definitely has consequences in what can be done with Parcel F. He added that Parcels E and F have to mesh to ensure that toxics don't migrate into the wetland.

Ms. Shirley noted that dredging of sediments is called for in several options of the draft Parcel F FS. She asked where the sediments would be placed. Mr. Levinthal stated that the sediments would be used to fill the following areas in order: the submarine dry docks, then dry docks 2 and 3 and then into one of the berths if there is a high volume of sediment. The sediments between the dry docks would be capped with three feet of clean material, and could serve as a park or for other use. The filling activity would require permits, but would not be considered as filling in the Bay because the dry docks are technically considered fill, not bay and have been historically used by boats.

Raymond Tompkins asked about the classification of land usage for each parcel. Mr. McClelland responded that F doesn't fall under any scenario since it is off-shore; E is classified as primarily industrial, with a small amount of residential use; C has a small area of mixed use with the rest being industrial use; and all of B and A are residential use. Mr. Tompkins noted the high degree of illness and disease in the Bay View-Hunters Point community and asked if these factors were considered in establishing cleanup standards for the base. Mr. McClelland responded that the Navy's policy is to clean up according to the City's reuse plan. If Parcels C, D and E were cleaned up to residential level, the cost would go up by three to six times the current cost. The current estimated cost to cleanup Parcels B through F is \$300 million; a \$900 million to \$18 billion cost to clean up to residential standards would be prohibitive.

Mr. Tompkins stated that as a parent and concerned citizen he is strongly advocating that the shipyard be cleaned up to the cleanest level possible to eliminate possible sources that pose a threat to human health. He added that he did not believe capping the landfill is a solution, and noted that just as Parcels E and F can't be separated, neither can the adjacent neighborhoods be separated from the shipyard.

Ms. Villa asked for clarification in depositing sediments from Parcel F into the dry dock. Mr. McClelland explained that the sediments contain contaminants but would be covered with three feet of clean soil. Mr. Morgan-Butcher further noted that moving the sediments to the dry dock area will break the exposure pathway of contaminants to marine life because the drydock will be sealed off from the Bay. Ms. Brownell asked if this same process has been preformed at other sites. Mr. Levinthal replied that confined disposal has been conducted at ten sites across the country.

Mr. Tompkins noted the warning signs posted along the waterfront regarding the danger of fish consumption. He asked if it will be safe to consume fish after the HPS remediation is complete. Mr. McClelland indicated that fish consumption will still remain a concern because it is a Bay-wide problem, and not isolated just to Hunters Point. Mr. Tompkins stated that proposing recreational use of part of the shipyard creates a misperception to the public regarding the safety

of the water. Mr. Morgan-Butcher responded that the concerns focus on eating certain species of fish, not on swimming in the Bay. He noted that the contaminants became more concentrated through consumption as they move up the food chain, and so become more of a concern at the point of human consumption.

Ron Brown of MicroSearch asked for a recount of the types of contaminants associated with Parcel F. Mr. Morgan-Butcher replied that PCB's are found both on-shore in the landfill and offshore. He also noted DDT, mercury and Tributyl-10 in the off-shore area, to include the vicinity of the drydocks.

Mr. Levinthal pointed out that these particular chemicals bond tightly with soil particles and won't likely be occurring much in the water when the sediments are deposited into the dry dock area. Mr. Tompkins commented that there is scientific evidence which points to the breakdown of some of these chemicals which then evaporate and become airborne. Inhalation then becomes a pathway for human exposure. Ms. Peterson asked what the Navy can do to minimize the disturbance of the chemicals, particularly DDT, to prevent them from becoming airborne. Mr. Brooks suggested that the Navy invite Dr. Dan Stralka, U. S. EPA toxicologist, to address these issues at the next RAB meeting. Mr. Tompkins asked that the toxicology presentation include discussion on genetic variances in ethnic populations.

Mr. Morgan-Butcher noted that a greater problem regarding DDT occurs off Navy property, in the vicinity of Yosemite Creek. He stated the contamination in the creek will act as an on-going source, and will require it's own cleanup effort; no Navy remedy will address this problem because it occurs off property. Ms. Shirley suggested that Dr. Stralka coordinate his discussion with engineering technology that can be used to minimize volatilization of the chemicals. Mr. Levinthal noted that the FS does address the issue of volatilization though some of the recommended engineering technologies. He agreed that Levine-Fricke would review for the RAB the engineering aspects of the proposed remedies that address such concerns as volatilization.

The question was raised as to the origins of the DDT. Mr. Morgan-Butcher stated that the origins are unknown. Mr. McClelland stated that the area on Parcel E was used primarily as a landfill and was not likely to have been an area sprayed with pesticides. Mr. Morgan-Butcher pointed out that the highest concentrations of DDT in the off-shore sediments do not occur adjacent to the landfill. Mr. Tompkins noted that it was standard practice in the 1950's to spray the entire base with DDT for mosquito control. Mr. Morgan-Butcher stated that the main source of DDT appears to be Yosemite Creek. He added that it is an issue that needs to be resolved, noting that he believed the Regional Board had sent a letter of interest inquiry to the City regarding the property. Ms. Brownell agreed to look into the matter.

Ms. Villa asked that the Navy provide the RAB with additional information on wetlands construction. A concerns was raised about mosquito breeding that might be associated with wetlands creation. Ms. Fox pointed out that the wetlands would be engineered to minimize stagnant water and favorable conditions for mosquito breeding. Ms. Brownell stated that the City recently awarded a contract to develop a feasibility study for creation of seasonal wetlands in

Parcel B. Mr. McClelland stated that the Navy will be evaluating the feasibility of creating both tidal and seasonal wetlands as part of the draft final Parcel E FS, due out in February 1999. Discussions are being held between the Navy, the city, the Regional Board and the regulatory agencies about wetlands issue.

Ms. Brownell pointed out that the San Francisco International airport is providing funds to the City to create wetlands at HPS to mitigate wetlands that will be destroyed through their runway expansion project. Mr. Morgan-Butcher noted that wetlands are a tremendous resource and help purify water and provide aesthetic value. Mr. Brooks requested that RAB members phone or fax to him in advance their questions for Dr. Stralka so that he will be prepared to address all of their concerns.

Mr. Kern asked how a cap will be placed underwater to cover the contaminated sediments. Mr. Levinthal noted several kinds of caps depending upon the site conditions. In high erosional areas, an armored cap is used consisting of rock rip rap boulders placed on top of a layer of sand. He explained that the cap is engineered specific to the site conditions, and takes into account, earthquake activity and seismic standards.

Ms. Fox asked the timeline for each of the five cleanup options and how each affects the schedule for cleanup. Mr. Keating stated that the FS contains the estimates of the timeline for each option, and added that the driving factor is the drying and dewatering of the sediments. Option 4 would require the most time and Option 2 would require the least amount of time. Mr. Morgan-Butcher reiterated that comments on the draft Parcel F FS are due by June 18, 1998.

## **VI. Recommendations for Future Agenda Items**

The following items were recommended for future RAB meetings:

July - Dr. Dan Stralka, U.S. EPA toxicologist  
Wetland information  
Property issues regarding Yosemite Creek (Amy Brownell)

August - Presentation on cost for cleanup of Parcels E and F (a rationale for decisions)

Mr. Kern adjourned the meeting at 8:00 p.m.

The next regular RAB meeting will be held on Wednesday, July 22, 1998, at the San Francisco City College, 6:00 p.m. A site tour is scheduled in place of the June RAB meeting, Wednesday, June 17, 1998.

**ATTACHMENT A**  
**MEETING AGENDA**

**AGENDA  
HUNTERS POINT SHIPYARD  
RESTORATION ADVISORY BOARD**

**DATE:** May 27, 1998

**LOCATION:** SF City College  
2<sup>nd</sup> Floor  
1400 Evans Avenue  
San Francisco

- |      |  |
|------|--|
| 6:00 | 1. Call to order and Announcements<br><br>(Upcoming Documents and Activities)  |
| 6:05 | 2. Community Co-chair Report<br><br>(An opportunity for the community Co-chairs to discuss information of interest to the RAB)   |
| 6:15 | 3. Discussion of Community Meeting with MicroSearch, the TAG Technical Consultant to SAEJ<br><br>(An opportunity to discuss with SAEJ the Community meeting with the TAG consultant) |
| 6:25 | 4. Discussion of Establishment of Resource Center<br><br>(We will discuss the suggestion by the community co-chairs for a resource center for the HPS Cleanup at HPS)                |
| 6:45 | 5. Parcel F Feasibility Study Discussion<br><br>(We will continue the discussion on the Parcel F FS report.)   |
| 7:45 | 6. Recommendations for Agenda Items for next RAB meeting and future field trips/activities   |
| 7:50 | 7. Adjourn   |

**ATTACHMENT B**

**RAB MEETING ATTENDANCE SHEETS**



**HUNTERS POINT SHIPYARD**  
**Restoration Advisory Board Meeting Attendance**

Date: May 27, 1998

RAB MEMBER	Present	ALTERNATE	Present
Vanessa Banks			
Bernestine Beasley			
Bill Billotte			
Sy-Allen Browning			
<del>Wendy Brummer-Koeks</del>		<i>Alex Antsberg</i>	✓
Anthony Bryant			
Robert Christian			
Therese Coleman			
Percy A. Coleman			
Charles L. Dacus, Sr.	✓		
Alonzo L. Douglas			
Vida Edwards			
Janet Ellis			
Laurie Espinoza	<i>le</i>		
Manuel J. Ford			
Jill Fox <i>here</i>			
Bonnie Fraenza			
Greg Freeman			
Silk V. T. Gaudin			
Michael Harris			
James A. Heagy	<i>JA</i>	<i>New mailing address Box 27397 SF 94127-0397</i>	
David E. Jackson			

RAB MEMBER	Present	ALTERNATE	Present
Helen Jackson			
Henrietta Jones			
Doug Kern	OK		
Anthony LaMell			
Scott Madison			
Mamie Matthews			
Khafra K. Omra Zeti			
Hali Papazian			
Dorothy Peterson	✓		
Rev. J.P. Pryor			
Christine Shirley	✓		
Carol E. Tatum			
Leon Thibeaux			
Erlinda B. Villa	✓		
Caroline Washington	low		
Mrs. Oceola Washington			
Gwendolyn Westbrook			
Nathanial White III			
Andre Williams			
Patricia Wright			
Mark Youngkin			
Ron Brown			
Rick Cusick			

REGULATORS	Present	Agency
Amy Brownell	ADP	S.F. Dept. Of Public Health
John Chester		S.F. Dept. of Public Works, Site Assessment Remediation Division
Byron Rhett		S.F. Redevelopment Agency
Kenneth Shaw		U.S. Dept. of the Interior
Claire Trombadore		U.S. EPA
Sheryl Lauth		U.S. EPA
Dr. Dan Stralka		U.S. EPA
Richard Hiatt		RWQCB
Mike Williams/Bettie Woods		BDI, Inc.
Valerie Hensinkveld		Calif DTSC
U.S. NAVY		
Ryan Brooks here	BJ	Dir of Community Relations, EFA West
Cdr. Jim Gustafson		Bay Area Base Transition Coordinator
Michael McClelland here		Navy Co-chair, EFA West
Bill Radzevich ✓ present		EFA West
Luann Tetirick		EFA West
TETRA TECH EM INC.		
Stacey Lupton		
Jim Sickles here		
Brian Keating Levin Fricke Keron		
Roger Levinthal " "	" "	" "

GPI	Present	
Darlene Brown here	DB	
Barry Gutierrez here	BG	
PUBLIC/GUESTS		Address/Phone
EA OLL:	✓	DPH/OSH 671-3171
B GRMAN		291 E. MAIN ST. 863-7885
DAVID GAVRICH	✓	ELIX
LESLIE TALLAN	✓	BAYKEEPER 626-1477
Raymond Tony Kay	✓	182 Jefford * Pager 245-0909 822-2001

**AGENDA  
HUNTERS POINT SHIPYARD  
RESTORATION ADVISORY BOARD**

**DATE:** May 27, 1998

**LOCATION:** SF City College  
2<sup>nd</sup> Floor  
1400 Evans Avenue  
San Francisco

- |      |  |
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| 7:50 | 7. Adjourn   |



June 10, 1998

Dear RAB Member,

As we have discussed at our last two meetings, we will not have our regularly scheduled June RAB meeting. Instead, on Wednesday, June 17, (a week earlier than usual), we will have a tour of Parcel B at the Shipyard. We will go to various sites around the parcel to see where we will be excavating soil for the cleanup of Parcel B. We will meet at the parking lot to the East of Dago Mary's restaurant, just inside the shipyard gate. When you get to the gate, tell the guard that you are going to the "Hunters Point RAB tour of Parcel B". They will let you proceed to the parking lot where we will meet prior to starting the tour. We will meet at 6:00 pm and leave promptly at 6:15 pm in Navy vans to tour the site. We will not be allowing late arrivals in private vehicles to drive around the site, so please be in the parking lot by 6:00. We will go to many of the sites that are to be cleaned up and have an opportunity to talk with Navy and contractor personnel involved with the cleanup.

Enclosed is a copy of the minutes from our May meeting.

I hope that you are able to attend our site visit to Parcel B next week. This will be a good opportunity to see where we will be cleaning up. Our next regular RAB meeting will be July 22, 1998.

Sincerely,

*Darlene Robbins for*

Michael McClelland  
Navy Co-chair

**HUNTERS POINT SHIPYARD  
RESTORATION ADVISORY BOARD  
Wednesday, July 22, 1998**

**DRAFT MEETING MINUTES**

**LOCATION:** San Francisco City College  
2<sup>nd</sup> Floor Lounge  
1400 Evans Avenue  
San Francisco, CA

**PURPOSE:** To provide: (1) the Community Co-chair report, (2) a community relations update, (3) an update on the Parcel B-1 cleanup, (4) an orientation on the draft final Parcel C Feasibility Study, (5) and recommendations for the next RAB meeting agenda.

These minutes summarize the items discussed during the RAB meeting; they are not a verbatim transcript. Attachment A provides the attendance list, Attachment B provides the meeting agenda and Attachment C provides the presentation handout materials.

**FACILITATOR:** Doug Kern

**I. Call to Order and Announcements**

Doug Kern called the meeting to order at 6:05 p.m. and welcomed all attendees. He asked if there were any changes to the agenda. Amy Brownell, San Francisco Department of Public Health, asked to include an additional agenda item. Mr. Kern stated that Ms. Brownell's agenda item would follow item 3.

Mike McClelland, BRAC Environmental Coordinator and Navy Co-chair, made the following announcements:

- the Parcel C draft final Feasibility Study (FS) was released July 15, 1998; comments are due by August 14, 1998
- the draft Parcel E Ecological Model Validation Study Work Plan was released today; comments are due by July 31. The validation study will validate the models used for the ecological risk assessment for the Parcel E FS. The document is available in the library for review
- Dr. Dan Stralka, toxicologist with U.S. EPA, will be available for next month's meeting to discuss risk assessment. He has requested from the RAB their input in advance on specific

concerns and questions so he can prepare for and focus his presentation. Mr. McClelland noted that concerns about risk assessment arose from review of the Parcel F FS. Questions should be provided to either Mr. McClelland or Jill Fox several weeks prior to the August RAB meeting.

Mr. Kern requested a copy of the Work Plan for the Parcel E Ecological Model Validation Study.

## **II. Community Co-Chair Report**

Ms. Fox reported that she recently toured the cleanup at area B-1, behind Dago Mary's restaurant to see if safety procedures are being followed. She stated that air monitors are up and safety procedures are in place. She suggested that more signs be placed around access areas, noting concerns that children are getting on-base during the weekends. Ms. Fox also stated that the trucking operation has caused little concern in the neighborhood, however trucks are arriving earlier than the 6:00 a.m. posted start time. She was informed that the trucks are starting earlier to complete the day's work before the winds pick up in the afternoon. Ms. Fox noted that the Navy's prior notification effort has really helped with community awareness and acceptance.

Mr. McClelland pointed out that Department of Defense (DOD) police patrol the base and IT Corp. also has security patrols off hours. Ms. Washington noted that visitors come on-base on weekends to visit the train museum area. Robert Christian, of Christian Engineering, added that their firm also has its own security officers on-site, and that they are aware that some people are gaining access through the front gate. He also stated that their trucks are not allowed through the gates until 7:00 a.m. and asked that the Navy look at the consistency of its policy to allow some trucks in at earlier hours. Mr. McClelland agreed to talk to the caretaker site officer about the policy to allow some trucks earlier access than others.

Mr. Christian noted the recent publicity in the Business Times regarding development of HPS. He offered to bring copies of the information to the next RAB meeting. Ms. Brownell stated that the article refers to the Redevelopment Agency's request for quotation in seeking a Master Developer for HPS. A July 25 meeting on the topic has been postponed.

## **III. Community Relations Update**

Ryan Brooks, EFA West's Director of Community Relations, informed the RAB that he visited with local businesses to advise them of safety concerns posed by double-parking of delivery vehicles and cars during the truck hauling operation. The Navy also held a meeting with HPS tenants to inform them of cleanup activities. The meeting was well received by the tenants. Mr. Brooks noted that the community would be informed of any changes to the cleanup schedule and added that the Navy is very pleased with the way things are progressing, thus far.

Ms. Brownell asked if the Navy planned to send a flyer about the clean-up out to the community.



Mr. Brooks indicated that the flyer could be sent out to the community mailing list. Mr. McClelland stated that the Navy Public Affairs Office is preparing a newsletter issue concerning the Remedial Action of Parcel B, which will be mailed out in the next few weeks. Alex Lantsberg suggested that the Project Action Committee be contacted for a copy of its mailing list. Additionally, Byron Rhett of the Redevelopment Agency has offered to mail out the flyer and news letter to its mailing list.

Dorothy Peterson reiterated the importance of protecting children that come on-base. Charles Dacus suggested contacting the parents to advise them of the dangers posed to children who gain access to the base.

Mr. Brooks stated that he needed more input from the RAB regarding a resource center. Ms. Peterson noted that the resource center should house information and serve as a place for the community to get answers to questions and have problems solved. Mr. Kern noted that the resource center should contain a complete set of environmental documents for HPS. Ms. Fox added that it should be a one stop shop located within the community that it serves. Ms. Peterson stressed that the technical information needs to be made simple and understandable by lay people. Ms. Fox stated that a clean-up schedule should be placed on the wall of the resource center so that the community can follow the progress.

Mr. McClelland noted that the purpose of the Technical Assistance Grant (TAG) received by SAEJ is to help the community understand technical documents. Mr. Lantsberg pointed out that it is unfair for the Navy to rely solely on the TAG money to meet the community's needs for understanding all of the technical documentation. He noted that SAEJ must balance the small amount of TAG money with the large amount of technical information, and so has to focus spending to be most effective. Manuel Ford suggested that the documents be put on computer disk or CD ROM. Mr. Brooks responded that there is a bigger issue regarding putting government documents on disk or CD. Mr. McClelland reminded the RAB that Technical Assistance for Public Participation (TAPP) funds are available for technical assistance, however the RAB must submit a proposal in order to receive funding.

Mr. Brooks noted as an action item that he would speak more indepth with individuals about their ideas for a resource center, and determine what resources the Navy has to provide. Mr. Kern called for the resource center to have all technical documents accessible to the TAG consultant. Mr. Lantsberg stated that analysis of the Parcel E FS and Parcel F FS by the TAG consultant have been completed and he can provide copies to RAB members.

## **VI. Yosemite Creek Update**

Ms. Brownell distributed copies of a map and a list of property owners for the Yosemite Creek area. She noted concerns by RAB members about contamination around the creek and their interest in learning who the landowners are. She stated that the Regional Water Quality Control Board (RWQCB) sent a letter to the San Francisco Public Utilities Commission (PUC) identifying

Yosemite Creek as a site of concern, and noting that there is a problem, probably associated with the sewer outfalls, that needs to be addressed. The PUC is in the process of determining how they will respond to the RWQCB's letter. Ms. Brownell stated she has invited a representative of the PUC to attend either the August or September RAB meeting. They will likely conduct sampling in the creek to tie into the studies underway for Parcel F. Ultimately, the RWQCB, the Navy and the PUC will need to work together to reach a resolution.

Ms. Peterson asked if anything can be done about illegal dumping that is occurring in the area. Erlinda Villa noted the dumping that also occurs from outsiders to the neighborhood. Mr. McClelland noted that the City has enforcement staff that investigate environmental violations. Ms. Brownell offered to look into the matter. Mr. Lantsberg referred to the Environmental Justice Community Education project run through the City College, stating that it is a source of information and might also offer a possible location for a resource center. Mr. McClelland stated that the DTSC has a hotline for dumping at 1-800-69TOXIC.

## **V. Update on Parcel B-1 Cleanup**

Jill Finnegan, Remedial Project Manager for Parcel B-1 Cleanup, introduced Peter Mertz and Don Marini of IT Corp. to provide an update on cleanup activities.

Mr. Mertz reported that six air monitoring stations have been set up on the perimeter of the facility. Baseline data is being gathered and a report will be submitted to the Navy. One sample is being collected every three days at the perimeter for laboratory analysis. In addition, health and safety air monitoring is being conducted at the excavation site reflecting real time data. Ed Ochi of EFA West and representatives of the City will be reviewing the data. Mr. McClelland noted that baseline information provides the existing conditions before the work begins and can be used as a comparison for data gathered after activity starts.

Mr. Kern asked what happens if the safe air quality limits are exceeded. Mr. Mertz explained that the air monitoring program includes criteria within which to operate. The idea is to control what is added to the existing conditions of air quality, such as dust emissions and the speed of the trucks. As a contingency, the contractor can cease operations until measures can bring a situation under control. He stated that well established procedures are being practiced on-site.

Mr. Mertz went on to explain the operational activities. He noted that the startup has been nominal and that the number of trucks will increase from about 10-40 truck trips per day to 60 truck trips per day as of tomorrow. He reported that 3,600 tons of material has been removed over the last seven days. Optimal conditions exist earlier in the day before the winds pick up, so trucking is conducted as early in the day as possible.

Ms. Peterson asked what material is being excavated. Mr. Mertz stated that the excavated material is predominantly soil but also includes some concrete and old timber. The material was originally used as fill for the area. Sixteen of 40 excavations have so far been completed. Ms.

Villa asked where the material is being taken to. Mr. Mertz stated that the material is sent to one of several disposal facilities depending upon how it is classified. So far, material is being taken to the Manteca landfill. He added that all truck staging is taking place on the distal portion of B-1 and not in the public domain.

Ms. Fox noted that she will see what kind of feedback she gets from the community as the amount of trucking increases. She also noted that a phone number will be posted on the back of the trucks starting next week and that Mr. Brooks will be answering those phone calls.

Ms. Fox asked about the percent of local hires used for the operation. Dan Marini reported that IT Corp. has hired six to seven local participants from the EPA-sponsored National Institute for Environmental Health Studies program offered through City College. They are currently working at the Presidio but will also be used at HPS. He added that IT has also hired a local person to perform clerical work and that more people are needed. Mr. Mertz stated that supplies are obtained from local hardware stores, and that security and janitorial services are provided by local businesses. Mr. Marini also noted that two local trucking firms are under contract. He added that a poor response was received on their trucking company bid solicitation, despite a deadline extension.

Ms. Finnegan provided a brief update on the status of the rail option for soil removal. She stated that IT Corp. investigated five rail companies, including ECDC, but received bids from only two. ECDC will be recommended to the Navy to provide rail transportation service for the estimated 3,000 tons of Cal Haz waste. The logistics are yet to be worked out but the effort will save approximately 100 or so truck loads of soil from being transported through the neighborhood.

## **VI. Draft Final Parcel C FS Orientation**

Kent Morey, Tetra Tech EMI, provided a review of the draft final Parcel C FS. He noted that the document is currently under review, and copies are located in both the Anna Waden and San Francisco Main libraries, or can be requested by those interested. An FS has been issued because the investigative work has been completed at Parcel C.

The FS document reports on the different technologies available to remediate the site. It includes an executive summary; an introduction; an investigative summary; a definition of the goals to reach as part of the remediation and a general screening of the technologies; best alternatives; and a detailed analysis of the alternatives. Nine criteria are used to analyze the alternatives. These are: whether the technology is protective of human health and the environment; is in compliance with state and federal requirements; the long term effectiveness; the amount by which the treatment reduces the toxicity, the movement and the volume of contaminants; short term effectiveness; ability to implement; cost; state acceptance; and community acceptance.

Mr. Morey stated that a Proposed Plan will follow the draft final FS. A fact sheet will be distributed which will briefly explain each alternative. The public will have 30 days to review the Proposed Plan and make comments. A public meeting will also be held to discuss the alternatives

and answer questions. He noted that the comment period for the draft final Parcel C FS is scheduled to close July 15, however the deadline may be extended.

Michael Hamman asked for a discussion on the perimeter of the area as it relates to the proposed wetlands. Jim Sickles, Tetra Tech EMI, noted that wetlands are proposed for three areas - one in Parcel B, and two in Parcel E. Mr. Hamman requested further explanation on how the wetlands would be constructed. Mr. McClelland pointed out that Parcel C would not contain wetlands. Mr. Sickles stated that one proposal for the Parcel F FS recommends contained disposal of contamination sediment within the drydocks, but is not intended to be used as a wetland. He added that the City's reuse plan is considering wetlands in Parcels B and E. Ms. Brownell pointed out that the Redevelopment Authority's Citizens Advisory Committee is evaluating wetlands development as part of the airport mitigation project, however a decision has not been finalized. Ms. Fox pointed out that this is a reuse issue and does not fall under the preview of the RAB.

Mr. Kern noted that the 30 day comment period on the Parcel C FS will close out before the next RAB meeting and asked the Navy to provide more detail tonight on the document. Mr. Morey stated that the soil remediation alternatives include excavating the soil and either disposing of it off-site or at the Parcel E landfill, or excavating the soil and treating it on-site.

Mr. Morey continued that groundwater remediation alternatives all include removal of the steam lines and fuel lines and repair of the storm drains. Then alternatives include removing the contaminated and saturated soil and disposing off-site, constructing containment areas, extracting the groundwater and treating on-site, and also treating the groundwater in place. He noted that the Navy tested soil vapor extraction technology in a treatability study on Parcel C. The technology removes volatile organic compounds (VOCs) from the ground; the results indicated that it may be an effective means of treatment at some locations.

Mr. Morey stated that the Navy also took soil gas samples at Parcel C to determine levels of VOCs. VOCs easily volatilize into the air and humans can be exposed to them through breathing. EPA has developed a model which predicts the amount of VOCs that will volatilize from groundwater and enter the breathing space of a building. Mr. Morey noted that the levels detected in Parcel C are lower than those predicted from the EPA model; the goals of the cleanup are based on the model.

Mr. Ford questioned the accuracy of the model. Ms. Brownell noted that EPA raised concern about the results of the sampling because the samples were taken in the wet season and during high groundwater levels which may impact results. Mr. Sickles indicated that the Navy will be looking at this further.

Mr. Kern asked for clarification on the disposal of soil into the Parcel E landfill. Mr. Sickles explained that all alternatives which dispose of soil into the landfill would involve a Corrective Action Management Unit (CAMU). The landfill would therefore be designed and monitored, and the disposal activities coordinated.

## **VIII. Recommended Agenda Items**

The following agenda items were recommended for upcoming meetings:

August: Dr. Dan Stralka, U.S. EPA - risk assessment (fish consumption; carcinogenic effects of DDT and DDE)

EPA presentation on the delisting process for Parcel A

Additional detail on the Parcel C FS

September: Public Utility Commission - Yosemite Creek

Ms. Villa asked if the Navy had any knowledge of a native American burial ground on HPS property. Mr. McClelland stated that a cultural resource investigation did not find any evidence of burial grounds or other artifacts. Mr. Sickles added that cultural sites may have been covered over by fill for base expansion back in the 1940's.

Mr. Hamman asked whether the toxicity of the shoreline areas of the parcels present an issue and questioned where the boundaries fall between the onshore and offshore parcels. Mr. Sickles stated that he mean high tide line and outward defines the Parcel F boundary. He noted that the Navy's proposed wetlands are not the same as those proposed to the City for the airport mitigation.

Mr. Hamman asked the timeline for Parcels E and F. Mr. McClelland stated the Record of Decision (ROD) for Parcel E is scheduled for February 2000; the ROD for Parcel F is scheduled for one year from now. He noted the need to coordinate both to make sure that the remedies are compatible. He added that there is a draft FS out for both Parcel E and Parcel F. Draft Final FSs will follow, then a Proposed Plan for each. Although comment periods for both drafts have closed, the Navy will still accept comments by community members.

Mr. Kern adjourned the meeting at 7:45 p.m.

**The next regular RAB meeting will be held on Wednesday, August 26, 1998, at the San Francisco City College, 6:00 p.m.**

**ATTACHMENT A**  
**MEETING AGENDA**

**AGENDA  
HUNTERS POINT SHIPYARD  
RESTORATION ADVISORY BOARD**

**DATE:** July 22, 1998

**LOCATION:** SF City College  
2<sup>nd</sup> Floor  
1400 Evans Avenue  
San Francisco

- |      |    |  |
|------|----|--|
| 6:00 | 1. | Call to order and Announcements<br><br>(Upcoming Documents and Activities)   |
| 6:05 | 2. | Community Co-chair Report<br><br>(An opportunity for the Community Co-chairs to discuss information of interest to the RAB)  |
| 6:15 | 3. | Community Relations Update<br><br>(An opportunity to discuss with Ryan Brooks community relations initiatives including resource center, timeline, info provided on Parcel B cleanup.) |
| 6:35 | 4. | Update on Parcel B-1 cleanup<br><br>(We will discuss the cleanup on Parcel B-1 including progress on the option for using Rail for soil disposal)                                      |
| 7:20 | 5. | Draft Final Parcel C Feasibility Study Orientation<br><br>(We will have a short orientation on the Draft Final Parcel C FS: how it is organized and what to look for)                  |
| 7:50 | 6. | Recommendations for Agenda Items for next RAB meeting and future field trips/activities  |
| 8:00 | 7. | Adjourn  |

**ATTACHMENT B**

**RAB MEETING ATTENDANCE SHEETS**



**HUNTERS POINT SHIPYARD**  
**Restoration Advisory Board Meeting Attendance**

Date: July 22, 1998

RAB MEMBER	Present	ALTERNATE	Present
Vanessa Banks			
Bernestine Beasley			
Bill Billotte			
Sy-Allen Browning			
Wendy Brummer-Kocks		Alex Landsberg	
Anthony Bryant			
Robert Christian	<del>RC</del>		
Therese Coleman			
Percy A. Coleman			
Charles L. Dacus, Sr.	✓		
Alonzo L. Douglas			
Vida Edwards			
Janet Ellis			
Laurie Espinoza			
Manuel J. Ford	✓		
Jill Fox	✓		
Bonnie Fraenza			
Greg Freeman			
Silk V. T. Gaudin			
Michael Harris	MH		
James A. Heagy			
David E. Jackson			

RAB MEMBER	Present	ALTERNATE	Present
Helen Jackson			
Henrietta Jones			
Doug Kern	<i>OK</i>		
Anthony LaMell			
Scott Madison			
Mamie Matthews			
Khafra K. Omra Zeti			
Hali Papazian			
Dorothy Peterson <i>here</i>			
Rev. J.P. Pryor			
Christine Shirley / <i>Kavitha Rao</i> <sup>ARC Ecology</sup> <i>✓</i>			
Carol E. Tatum			
Leon Thibeaux			
Erlinda B. Villa <i>g v</i>			
Caroline Washington <i>here</i>			
Mrs. Oceola Washington			
Gwendolyn Westbrook			
Nathanial White III			
Andre Williams			
Patricia Wright			
Mark Youngkin			
<i>Dave Rosenbaum</i>			
<i>A LETHISA</i>			
<del><i>James Bricker (EPA)</i></del> <i>JS</i>			

REGULATORS	Present	Agency
Amy Brownell	ADB ✓	S.F. Dept. Of Public Health
John Chester		S.F. Dept. of Public Works, Site Assessment Remediation Division
Byron Rhett		S.F. Redevelopment Agency
Kenneth Shaw		U.S. Dept. of the Interior
Claire Trombadore		U.S. EPA
Sheryl Lauth		U.S. EPA
Dr. Dan Stralka		U.S. EPA
Richard Hiatt		RWQCB
Mike Williams/Bettie Woods		BDI, Inc.
Jeremy Bricker (EPA)	JB	
Valerie Hensin Kneid	Val	Calif DTS C
U.S. NAVY		
Ryan Brooks here		Dir of Community Relations, EFA West
Cdr. Jim Gustafson		Bay Area Base Transition Coordinator
Michael McClelland here		Navy Co-chair, EFA West
Bill Radzevich here	WR	EFA West
Luann Tetirick here	LT	EFA West
TETRA TECH EM INC.		
Stacey Lupton		
Jim Sickles here	✓	
Tom Shoff		

GPI	Present	
Darlene Brown <i>here</i>		
Barry Gutierrez <i>here</i>		
PUBLIC/GUESTS		Address/Phone
<i>Ed Ochi</i>		<i>DPH - OSH 6713171 B11 606 HPS</i>
<i>Don Marini</i>		<i>IT Corp. 925-372-9100</i>
<i>Rick Cusick</i>	<i>X</i>	<i>MICROSEARCH ENVIRONMENTAL (TAG Admison) 302 POWELTON WAY, OAKLAND, CA</i>
<i>Kent Morey</i>		<i>Tetra Tech EM Inc 125 Main St. #1800, SF, 94118</i>

**ATTACHMENT C**  
**HANDOUT MATERIALS**

# ENVIRONMENTAL CLEANUP AT HUNTERS POINT SHIPYARD

The Navy is beginning cleanup at Hunters Point Shipyard to remove soil containing metals, solvents, and fuel-related substances. The soil will be dug up, removed from the Shipyard by covered trucks, and transported to licensed off-site disposal facilities in Alta Mount, and possibly in Bakersfield, California. The trucks transporting the soils will follow strict safety regulations established by the U.S. Department of Transportation. The Navy is currently waiting for bids to be completed for the possible use of railroad transportation to remove soils from the shipyard.

The cleanup plan was developed with the help of community members. These citizens reviewed and commented on the plan to make sure it followed good environmental procedures and reflected the needs of the community.

## WHEN WILL THE CLEANUP TAKE PLACE?

July 13 through October 1998.  
Continuing in the spring and summer of 1999

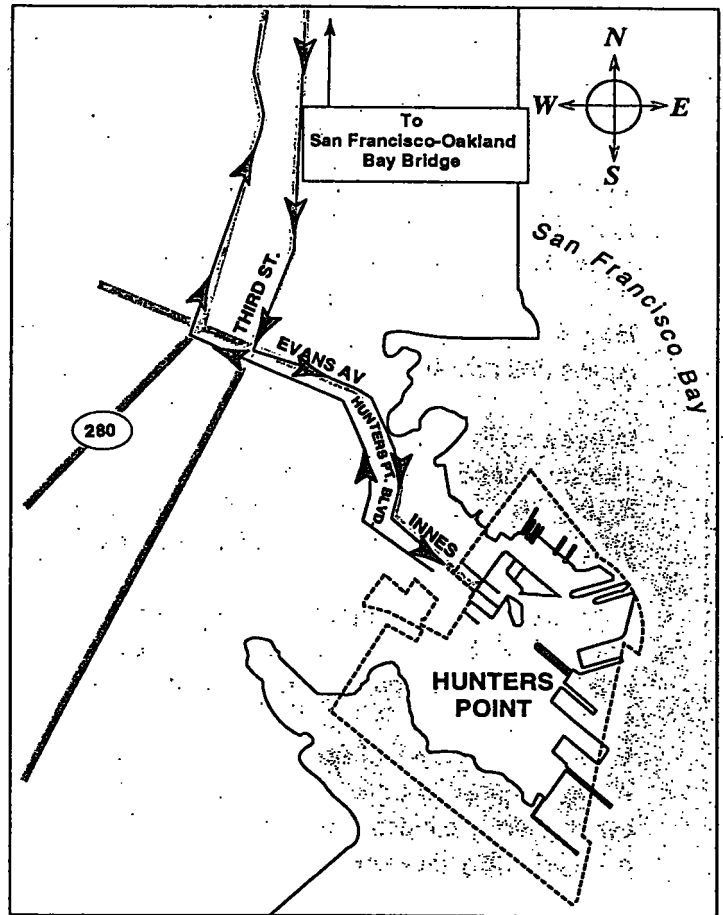
## WHAT ARE THE HOURS THE CLEANUP WILL BE CONDUCTED?

6:00 a.m. to 4:30 p.m.  
Monday - Friday

## WHAT SAFETY MEASURES ARE BEING TAKEN?

The soils being removed primarily contain fuel-related wastes. To ensure that the soil is safely transported, the soil will be completely covered and contained so that no dust or soil can be released during transport. Any soil temporarily stockpiled while awaiting transport will be contained with plastic and watered to control dust. The trucks will be brushed cleaned and if necessary, washed before leaving the base to avoid tracking the soil from the base into the streets. The Navy will also conduct air monitoring to check for dust in the air and ensure these safety measures are effective.

## WHAT IS THE TRUCK ROUTE FOR TRANSPORTING THE SOILS?



## HOW CAN I GET MORE INFORMATION?

### Navy Cleanup Activities

Ryan Brooks

650/244-3109

[rlbrooks@efawest.navfac.navy.mil](mailto:rlbrooks@efawest.navfac.navy.mil)

### Environmental Protection Agency

Claire Trombadore

415/744-2409

[trombadore.claire@epamail.epa.gov](mailto:trombadore.claire@epamail.epa.gov)

## **COMMONLY ASKED QUESTIONS**

### **Is my health in danger?**

No. The substances found in the soils being removed do not pose an immediate health threat. However, long-term direct exposure to the contaminated soils (for example, 30 years of continuous exposure or eating fruits and vegetables grown in the soil year after year) could pose a risk. Therefore, the soils are being removed. The removal of these soils will allow eventual reuse of the shipyard. The soils prior to the removal were covered with asphalt which minimized potential exposure.

### **How much soil is being removed?**

Up to 38,000 cubic yards.

### **Are local businesses being used to help cleanup the shipyard?**

Yes. Several Hunter's Point/Bayview businesses have been subcontracted to participate in the cleanup. These businesses provide a variety of services including trucking, procurement, and hardware supplies.

### **How many trucks per day will be leaving the shipyard with soil?**

Approximately 40 to 60 truckloads will transport soil from the shipyard each day.

### **What are the contaminants in the soil?**

The soil contains low levels of the following: metals, petroleum and fuel wastes, and polychlorinated biphenyls (PCB). These chemicals are from standard industrial practices at the shipyard such as fuel storage and distribution, sandblasting and paint operations, machining, acid mixing, and metal fabrication.

### **Where is the soil going after it leaves the shipyard?**

The soil will be transported to landfills approved by the U.S. Environmental Protection Agency (EPA) where it will be safely disposed of in accordance with all state and federal laws.

### **What if there is a soil spill?**

All trucks must comply with strict U.S. Department of Transportation safety requirements. In the unlikely event that an accident or spill occurs, the Navy has prepared an Emergency Response Plan that outlines detailed safety measures to immediately contain and control the spill and protect public health.

### **How are the workers protected?**

Due to the very low level of contaminants, the workers are required to only wear steel-toed boots and hardhats. In some isolated cases the workers may wear white jumpsuits and respirators to further safety.

### **How can I get involved?**

Community members meet the 4<sup>th</sup> Wednesday of every month at the San Francisco City College School of Technology located at 1400 Evans Avenue. The meeting is open to the public and is a forum for exchange of information by the Navy, community members, Environmental Protection Agency, Navy contractors and other local and federal agencies. The meeting is from 6:00 — 8:00 p.m.

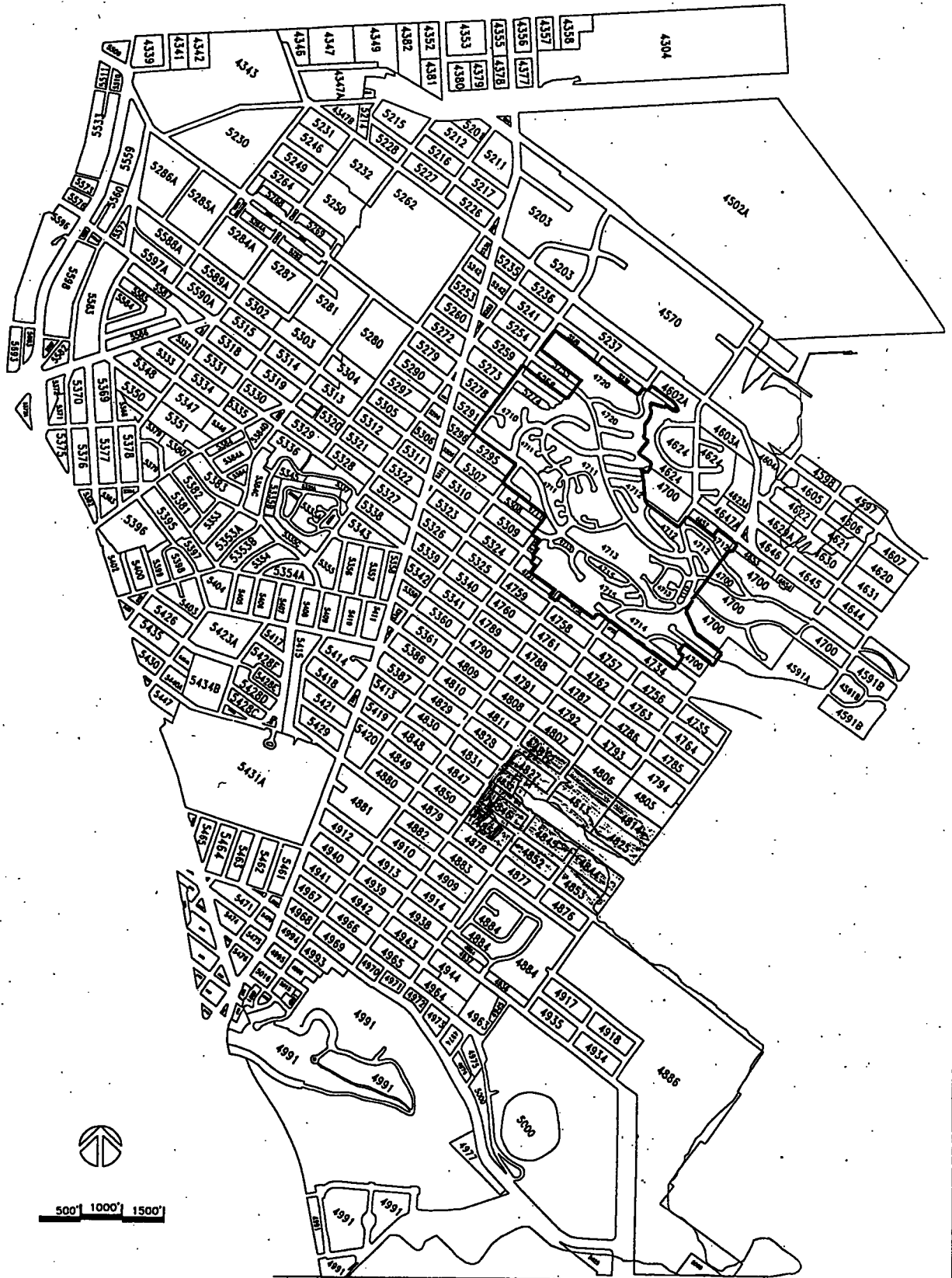
**MetroScan / San Francisco (CA)**

Parcel Number	Owner Name	Site Address	YB	Owner Phone
4812 016	United States Of Ameri	*No Site Address*	1900	
4812 018	Tov Pov Ming/May Chi	1275 Underwood Ave San F	1965	
4812 025	Cline Janice T	2059 Ingalls St San Fran	1982	
4812 026	Tov Pov Ming & May Chi	2029 Ingalls St San Fran	1982	
4812 027	Lau Kam Foon & Kam Wo	2089 Ingalls St San Fran	1982	
4812 028	Lau Kam Wo & Kam Cho &	2089 Ingalls St San Fran	1982	
4812 029	Lau Kam Wo & Kam Cho &	2089 Ingalls St San Fran	1982	
4812 030	Lau Kam Wo & Kam Cho &	2089 Ingalls St San Fran	1982	
4812 037	Cunningham Charles W &	1250 Van Dyke Ave San Fr		
4812 038	Hwang Tony J	*No Site Address*		
4812 039	Hwang Tony J	*No Site Address*		
4812 040	Hwang Tony J	*No Site Address*		
4812 041	Hwang Tony J	*No Site Address*		
4813 022	State Property	*No Site Address*	1900	
4813 023	State Property	1701 Hawes St San Franci	1900	
4813 025	State Property	*No Site Address*	1900	
4813 026	State Property	*No Site Address*	1900	
4813 027	State Property	1751 Hawes St San Franci		
4814 025	State Property	1055 Underwood Ave San F		
4825 004	State Property	1801 Griffith St San Fra		
4827 001	Garza Mike	*No Site Address*	1900	
4827 002	Garza Mike	*No Site Address*	1900	
4827 003	Garza Mike	*No Site Address*	1900	
4827 004	Garza Mike	1320 Wallace Ave San Fra	1964	
4827 015	Garza Mike	*No Site Address*	1900	
4827 017	Chung Christopher	1390 Wallace Ave San Fra	1958	
4827 019	Garza Mike	*No Site Address*	1900	
4827 020	United States Of Ameri	*No Site Address*	1900	
4827 021	Stillman James R	1370 Wallace Ave San Fra	1962	707-275-0834
4827 022	Tse Alex & Leticia A	2101 Ingalls St San Fran	1964	
4827 023	Farley Freud F	2125 Ingalls St San Fran	1964	
4832 001	State Property	1305 Wallace Ave San Fra	1900	
4832 008	Waight Albert W/Kevin	*No Site Address*	1900	
4832 012	Gateley Stainless & Al	1350-1360 Yosemite Ave S	1959	415-822-6550
4832 014	Cheng George & John &	2225 Ingalls St San Fran	1961	
4832 015	Dempnook Joseph F & Be	2201-2205 Ingalls St San	1962	
4832 016	Sartorius Company	1395 Wallace Ave San Fra	1964	415-822-4767
4832 017	United States Of Ameri	*No Site Address*	1900	
4832 018	Sartorius Company	1391 Wallace Ave San Fra		415-822-4767
4832 019	State Property	1365 Wallace Ave San Fra	1900	
4844 022	State Property	Griffith San Francisco		
4845 001	Buckeye Properties	1205 Yosemite Ave San Fr	1900	
4845 002	City Property	1225 Yosemite Ave San Fr	1955	
4845 003	Buckeye Properties	1296 Armstrong Ave San F	1955	
4845 004	State Property	Hawes St San Francisco		
4846 001	Buckeye Properties	1301 Yosemite Ave San Fr		
4846 002	Buckeye Properties	1320 Armstrong Ave San F		
4846 003	Buckeye Properties	1340 Armstrong Ave San F		
4846 013	Buckeye Properties	1335-1339 Yosemite Ave S	1963	



MetroScan / San Francisco (CA)

Parcel Number	Owner Name	Site Address	YB	Owner Phone
4852 003	Piombo Construction Co	1208 Bancroft Ave San Fr	1900	650-364-0700
4852 004	Piombo Construction Co	1216 Bancroft Ave San Fr	1900	650-364-0700
4852 005	Piombo Construction Co	1220 Bancroft Ave San Fr	1900	650-364-0700
4852 006	Piombo Construction Co	1224 Bancroft Ave San Fr	1900	650-364-0700
4852 007	Piombo Construction Co	1228 Bancroft Ave San Fr	1900	650-364-0700
4852 008	Piombo Construction Co	1232 Bancroft Ave San Fr	1900	650-364-0700
4852 009	Piombo Construction Co	1236 Bancroft Ave San Fr	1900	650-364-0700
4852 010	Piombo Construction Co	1240 Bancroft Ave San Fr	1900	650-364-0700
4852 011	Piombo Construction Co	1244 Bancroft Ave San Fr	1900	650-364-0700
4852 012	Piombo Construction Co	1248 Bancroft Ave San Fr	1900	650-364-0700
4852 013	Piombo Construction Co	*No Site Address*	1900	650-364-0700
4852 014	Piombo Construction Co	*No Site Address*	1900	650-364-0700
4852 015	Piombo Construction Co	*No Site Address*	1900	650-364-0700
4852 016	Piombo Construction Co	*No Site Address*	1900	650-364-0700
4852 017	Piombo Construction Co	*No Site Address*	1900	650-364-0700
4852 018	Piombo Construction Co	*No Site Address*	1900	650-364-0700
4852 019	Piombo Construction Co	*No Site Address*	1900	650-364-0700
4852 020	Piombo Construction Co	*No Site Address*	1900	650-364-0700
4852 021	Piombo Construction Co	*No Site Address*	1900	650-364-0700
4852 022	Piombo Construction Co	*No Site Address*	1900	650-364-0700
4853 003	State Property	1110 Bancroft Ave San Fr		



Source: City and County of San Francisco Assessor's Office

# Bayview/Hunters Point Survey Area Block Map

3D Visions

File: 9724VLU.dwg

Date: 1/21/1998

Revised:



July 16, 1998

Dear RAB Board Member,

The construction has begun on the first parcel to undergo remediation at Hunters Point Shipyard. We will have an update on what is happening for the cleanup in Parcel B-1 and information on the rail option for disposing of soil. It will be an opportunity to discuss the cleanup with the Navy Remedial Project Manager and the Navy's contractors.

The Draft final Parcel C Feasibility Study has been released for review. We will have a short orientation on what is in the document and what to look for in it.

At this RAB meeting we will also have an update on the Navy's community relations activities for Hunters Point.

The meeting will start at 6:00 p.m. at the San Francisco City College at 1400 Evans Avenue on the 2<sup>nd</sup> floor. Enclosed are the agenda for the meeting on Wednesday evening, the 22<sup>nd</sup> of July. There are no minutes from our June meeting which was a site visit to Parcel B on the shipyard.

I hope that you are able to attend our next meeting.

Sincerely,

Michael McClelland  
Navy Co-chair

**AGENDA  
HUNTERS POINT SHIPYARD  
RESTORATION ADVISORY BOARD**

**DATE:** July 22, 1998

**LOCATION:** SF City College  
2<sup>nd</sup> Floor  
1400 Evans Avenue  
San Francisco

- |      |   |
|------|---|
| 6:00 | 1. Call to order and Announcements<br><br>(Upcoming Documents and Activities)   |
| 6:05 | 2. Community Co-chair Report<br><br>(An opportunity for the Community Co-chairs to discuss information of interest to the RAB)  |
| 6:15 | 3. Community Relations Update<br><br>(An opportunity to discuss with Ryan Brooks community relations initiatives including resource center, timeline, info provided on Parcel B cleanup.) |
| 6:35 | 4. Update on Parcel B-1 cleanup<br><br>(We will discuss the cleanup on Parcel B-1 including progress on the option for using Rail for soil disposal)                                      |
| 7:20 | 5. Draft Final Parcel C Feasibility Study Orientation<br><br>(We will have a short orientation on the Draft Final Parcel C FS: how it is organized and what to look for)                  |
| 7:50 | 6. Recommendations for Agenda Items for next RAB meeting and future field trips/activities  |
| 8:00 | 7. Adjourn  |

**HUNTERS POINT SHIPYARD  
RESTORATION ADVISORY BOARD  
Wednesday, July 22, 1998**

**DRAFT MEETING MINUTES**

**LOCATION:** San Francisco City College  
2<sup>nd</sup> Floor Lounge  
1400 Evans Avenue  
San Francisco, CA

**PURPOSE:** To provide: (1) the Community Co-chair report, (2) a community relations update, (3) an update on the Parcel B-1 cleanup, (4) an orientation on the draft final Parcel C Feasibility Study, (5) and recommendations for the next RAB meeting agenda.

These minutes summarize the items discussed during the RAB meeting; they are not a verbatim transcript. Attachment A provides the attendance list, Attachment B provides the meeting agenda and Attachment C provides the presentation handout materials.

**FACILITATOR:** Doug Kern

**I. Call to Order and Announcements**

Doug Kern called the meeting to order at 6:05 p.m. and welcomed all attendees. He asked if there were any changes to the agenda. Amy Brownell, San Francisco Department of Public Health, asked to include an additional agenda item. Mr. Kern stated that Ms. Brownell's agenda item would follow item 3.

Mike McClelland, BRAC Environmental Coordinator and Navy Co-chair, made the following announcements:

- the Parcel C draft final Feasibility Study (FS) was released July 15, 1998; comments are due by August 14, 1998
- the draft Parcel E Ecological Model Validation Study Work Plan was released today; comments are due by July 31. The validation study will validate the models used for the ecological risk assessment for the Parcel E FS. The document is available in the library for review
- Dr. Dan Stralka, toxicologist with U.S. EPA, will be available for next month's meeting to discuss risk assessment. He has requested from the RAB their input in advance on specific

concerns and questions so he can prepare for and focus his presentation. Mr. McClelland noted that concerns about risk assessment arose from review of the Parcel F FS. Questions should be provided to either Mr. McClelland or Jill Fox several weeks prior to the August RAB meeting.

Mr. Kern requested a copy of the Work Plan for the Parcel E Ecological Model Validation Study.

## **II. Community Co-Chair Report**

Ms. Fox reported that she recently toured the cleanup at area B-1, behind Dago Mary's restaurant to see if safety procedures are being followed. She stated that air monitors are up and safety procedures are in place. She suggested that more signs be placed around access areas, noting concerns that children are getting on-base during the weekends. Ms. Fox also stated that the trucking operation has caused little concern in the neighborhood, however trucks are arriving earlier than the 6:00 a.m. posted start time. She was informed that the trucks are starting earlier to complete the day's work before the winds pick up in the afternoon. Ms. Fox noted that the Navy's prior notification effort has really helped with community awareness and acceptance.

Mr. McClelland pointed out that Department of Defense (DOD) police patrol the base and IT Corp. also has security patrols off hours. Ms. Washington noted that visitors come on-base on weekends to visit the train museum area. Robert Christian, of Christian Engineering, added that their firm also has its own security officers on-site, and that they are aware that some people are gaining access through the front gate. He also stated that their trucks are not allowed through the gates until 7:00 a.m. and asked that the Navy look at the consistency of its policy to allow some trucks in at earlier hours. Mr. McClelland agreed to talk to the caretaker site officer about the policy to allow some trucks earlier access than others.

Mr. Christian noted the recent publicity in the Business Times regarding development of HPS. He offered to bring copies of the information to the next RAB meeting. Ms. Brownell stated that the article refers to the Redevelopment Agency's request for quotation in seeking a Master Developer for HPS. A July 25 meeting on the topic has been postponed.

## **III. Community Relations Update**

Ryan Brooks, EFA West's Director of Community Relations, informed the RAB that he visited with local businesses to advise them of safety concerns posed by double-parking of delivery vehicles and cars during the truck hauling operation. The Navy also held a meeting with HPS tenants to inform them of cleanup activities. The meeting was well received by the tenants. Mr. Brooks noted that the community would be informed of any changes to the cleanup schedule and added that the Navy is very pleased with the way things are progressing, thus far.

Ms. Brownell asked if the Navy planned to send a flyer about the clean-up out to the community.

Mr. Brooks indicated that the flyer could be sent out to the community mailing list. Mr. McClelland stated that the Navy Public Affairs Office is preparing a newsletter issue concerning the Remedial Action of Parcel B, which will be mailed out in the next few weeks. Alex Lantsberg suggested that the Project Action Committee be contacted for a copy of its mailing list. Additionally, Byron Rhett of the Redevelopment Agency has offered to mail out the flyer and news letter to its mailing list.

Dorothy Peterson reiterated the importance of protecting children that come on-base. Charles Dacus suggested contacting the parents to advise them of the dangers posed to children who gain access to the base.

Mr. Brooks stated that he needed more input from the RAB regarding a resource center. Ms. Peterson noted that the resource center should house information and serve as a place for the community to get answers to questions and have problems solved. Mr. Kern noted that the resource center should contain a complete set of environmental documents for HPS. Ms. Fox added that it should be a one stop shop located within the community that it serves. Ms. Peterson stressed that the technical information needs to be made simple and understandable by lay people. Ms. Fox stated that a clean-up schedule should be placed on the wall of the resource center so that the community can follow the progress.

Mr. McClelland noted that the purpose of the Technical Assistance Grant (TAG) received by SAEJ is to help the community understand technical documents. Mr. Lantsberg pointed out that it is unfair for the Navy to rely solely on the TAG money to meet the community's needs for understanding all of the technical documentation. He noted that SAEJ must balance the small amount of TAG money with the large amount of technical information, and so has to focus spending to be most effective. Manuel Ford suggested that the documents be put on computer disk or CD ROM. Mr. Brooks responded that there is a bigger issue regarding putting government documents on disk or CD. Mr. McClelland reminded the RAB that Technical Assistance for Public Participation (TAPP) funds are available for technical assistance, however the RAB must submit a proposal in order to receive funding.

Mr. Brooks noted as an action item that he would speak more indepth with individuals about their ideas for a resource center, and determine what resources the Navy has to provide. Mr. Kern called for the resource center to have all technical documents accessible to the TAG consultant. Mr. Lantsberg stated that analysis of the Parcel E FS and Parcel F FS by the TAG consultant have been completed and he can provide copies to RAB members.

## **VI. Yosemite Creek Update**

Ms. Brownell distributed copies of a map and a list of property owners for the Yosemite Creek area. She noted concerns by RAB members about contamination around the creek and their interest in learning who the landowners are. She stated that the Regional Water Quality Control Board (RWQCB) sent a letter to the San Francisco Public Utilities Commission (PUC) identifying

Yosemite Creek as a site of concern, and noting that there is a problem, probably associated with the sewer outfalls, that needs to be addressed. The PUC is in the process of determining how they will respond to the RWQCB's letter. Ms. Brownell stated she has invited a representative of the PUC to attend either the August or September RAB meeting. They will likely conduct sampling in the creek to tie into the studies underway for Parcel F. Ultimately, the RWQCB, the Navy and the PUC will need to work together to reach a resolution.

Ms. Peterson asked if anything can be done about illegal dumping that is occurring in the area. Erlinda Villa noted the dumping that also occurs from outsiders to the neighborhood. Mr. McClelland noted that the City has enforcement staff that investigate environmental violations. Ms. Brownell offered to look into the matter. Mr. Lantsberg referred to the Environmental Justice Community Education project run through the City College, stating that it is a source of information and might also offer a possible location for a resource center. Mr. McClelland stated that the DTSC has a hotline for dumping at 1-800-69TOXIC.

## **V. Update on Parcel B-1 Cleanup**

Jill Finnegan, Remedial Project Manager for Parcel B-1 Cleanup, introduced Peter Mertz and Don Marini of IT Corp. to provide an update on cleanup activities.

Mr. Mertz reported that six air monitoring stations have been set up on the perimeter of the facility. Baseline data is being gathered and a report will be submitted to the Navy. One sample is being collected every three days at the perimeter for laboratory analysis. In addition, health and safety air monitoring is being conducted at the excavation site reflecting real time data. Ed Ochi of EFA West and representatives of the City will be reviewing the data. Mr. McClelland noted that baseline information provides the existing conditions before the work begins and can be used as a comparison for data gathered after activity starts.

Mr. Kern asked what happens if the safe air quality limits are exceeded. Mr. Mertz explained that the air monitoring program includes criteria within which to operate. The idea is to control what is added to the existing conditions of air quality, such as dust emissions and the speed of the trucks. As a contingency, the contractor can cease operations until measures can bring a situation under control. He stated that well established procedures are being practiced on-site.

Mr. Mertz went on to explain the operational activities. He noted that the startup has been nominal and that the number of trucks will increase from about 10-40 truck trips per day to 60 truck trips per day as of tomorrow. He reported that 3,600 tons of material has been removed over the last seven days. Optimal conditions exist earlier in the day before the winds pick up, so trucking is conducted as early in the day as possible.

Ms. Peterson asked what material is being excavated. Mr. Mertz stated that the excavated material is predominantly soil but also includes some concrete and old timber. The material was originally used as fill for the area. Sixteen of 40 excavations have so far been completed. Ms.



Villa asked where the material is being taken to. Mr. Mertz stated that the material is sent to one of several disposal facilities depending upon how it is classified. So far, material is being taken to the Manteca landfill. He added that all truck staging is taking place on the distal portion of B-1 and not in the public domain.

Ms. Fox noted that she will see what kind of feedback she gets from the community as the amount of trucking increases. She also noted that a phone number will be posted on the back of the trucks starting next week and that Mr. Brooks will be answering those phone calls.

Ms. Fox asked about the percent of local hires used for the operation. Dan Marini reported that IT Corp. has hired six to seven local participants from the EPA-sponsored National Institute for Environmental Health Studies program offered through City College. They are currently working at the Presidio but will also be used at HPS. He added that IT has also hired a local person to perform clerical work and that more people are needed. Mr. Mertz stated that supplies are obtained from local hardware stores, and that security and janitorial services are provided by local businesses. Mr. Marini also noted that two local trucking firms are under contract. He added that a poor response was received on their trucking company bid solicitation, despite a deadline extension.

Ms. Finnegan provided a brief update on the status of the rail option for soil removal. She stated that IT Corp. investigated five rail companies, including ECDC, but received bids from only two. ECDC will be recommended to the Navy to provide rail transportation service for the estimated 3,000 tons of Cal Haz waste. The logistics are yet to be worked out but the effort will save approximately 100 or so truck loads of soil from being transported through the neighborhood.

## **VI. Draft Final Parcel C FS Orientation**

Kent Morey, Tetra Tech EMI, provided a review of the draft final Parcel C FS. He noted that the document is currently under review, and copies are located in both the Anna Waden and San Francisco Main libraries, or can be requested by those interested. An FS has been issued because the investigative work has been completed at Parcel C.

The FS document reports on the different technologies available to remediate the site. It includes an executive summary; an introduction; an investigative summary; a definition of the goals to reach as part of the remediation and a general screening of the technologies; best alternatives; and a detailed analysis of the alternatives. Nine criteria are used to analyze the alternatives. These are: whether the technology is protective of human health and the environment; is in compliance with state and federal requirements; the long term effectiveness; the amount by which the treatment reduces the toxicity, the movement and the volume of contaminants; short term effectiveness; ability to implement; cost; state acceptance; and community acceptance.

Mr. Morey stated that a Proposed Plan will follow the draft final FS. A fact sheet will be distributed which will briefly explain each alternative. The public will have 30 days to review the Proposed Plan and make comments. A public meeting will also be held to discuss the alternatives

and answer questions. He noted that the comment period for the draft final Parcel C FS is scheduled to close July 15, however the deadline may be extended.

Michael Hamman asked for a discussion on the perimeter of the area as it relates to the proposed wetlands. Jim Sickles, Tetra Tech EMI, noted that wetlands are proposed for three areas - one in Parcel B, and two in Parcel E. Mr. Hamman requested further explanation on how the wetlands would be constructed. Mr. McClelland pointed out that Parcel C would not contain wetlands. Mr. Sickles stated that one proposal for the Parcel F FS recommends contained disposal of contamination sediment within the drydocks, but is not intended to be used as a wetland. He added that the City's reuse plan is considering wetlands in Parcels B and E. Ms. Brownell pointed out that the Redevelopment Authority's Citizens Advisory Committee is evaluating wetlands development as part of the airport mitigation project, however a decision has not been finalized. Ms. Fox pointed out that this is a reuse issue and does not fall under the preview of the RAB.

Mr. Kern noted that the 30 day comment period on the Parcel C FS will close out before the next RAB meeting and asked the Navy to provide more detail tonight on the document. Mr. Morey stated that the soil remediation alternatives include excavating the soil and either disposing of it off-site or at the Parcel E landfill, or excavating the soil and treating it on-site.

Mr. Morey continued that groundwater remediation alternatives all include removal of the steam lines and fuel lines and repair of the storm drains. Then alternatives include removing the contaminated and saturated soil and disposing off-site, constructing containment areas, extracting the groundwater and treating on-site, and also treating the groundwater in place. He noted that the Navy tested soil vapor extraction technology in a treatability study on Parcel C. The technology removes volatile organic compounds (VOCs) from the ground; the results indicated that it may be an effective means of treatment at some locations.

Mr. Morey stated that the Navy also took soil gas samples at Parcel C to determine levels of VOCs. VOCs easily volatilize into the air and humans can be exposed to them through breathing. EPA has developed a model which predicts the amount of VOCs that will volatilize from groundwater and enter the breathing space of a building. Mr. Morey noted that the levels detected in Parcel C are lower than those predicted from the EPA model; the goals of the cleanup are based on the model.

Mr. Ford questioned the accuracy of the model. Ms. Brownell noted that EPA raised concern about the results of the sampling because the samples were taken in the wet season and during high groundwater levels which may impact results. Mr. Sickles indicated that the Navy will be looking at this further.

Mr. Kern asked for clarification on the disposal of soil into the Parcel E landfill. Mr. Sickles explained that all alternatives which dispose of soil into the landfill would involve a Corrective Action Management Unit (CAMU). The landfill would therefore be designed and monitored, and the disposal activities coordinated.

### **VIII. Recommended Agenda Items**

The following agenda items were recommended for upcoming meetings:

August: Dr. Dan Stralka, U.S. EPA - risk assessment (fish consumption, carcinogenic effects of DDT and DDE)

EPA presentation on the delisting process for Parcel A

Additional detail on the Parcel C FS

September: Public Utility Commission - Yosemite Creek

Ms. Villa asked if the Navy had any knowledge of a native American burial ground on HPS property. Mr. McClelland stated that a cultural resource investigation did not find any evidence of burial grounds or other artifacts. Mr. Sickles added that cultural sites may have been covered over by fill for base expansion back in the 1940's.

Mr. Hamman asked whether the toxicity of the shoreline areas of the parcels present an issue and questioned where the boundaries fall between the onshore and offshore parcels. Mr. Sickles stated that he mean high tide line and outward defines the Parcel F boundary. He noted that the Navy's proposed wetlands are not the same as those proposed to the City for the airport mitigation.

Mr. Hamman asked the timeline for Parcels E and F. Mr. McClelland stated the Record of Decision (ROD) for Parcel E is scheduled for February 2000; the ROD for Parcel F is scheduled for one year from now. He noted the need to coordinate both to make sure that the remedies are compatible. He added that there is a draft FS out for both Parcel E and Parcel F. Draft Final FSs will follow, then a Proposed Plan for each. Although comment periods for both drafts have closed, the Navy will still accept comments by community members.

Mr. Kern adjourned the meeting at 7:45 p.m.

**The next regular RAB meeting will be held on Wednesday, August 26, 1998, at the San Francisco City College, 6:00 p.m.**



August 13, 1998

Dear RAB Board Member,

As part of the process in turning over the shipyard to the City of San Francisco, the U.S. EPA has begun the process of delisting (removing) Parcel A from the National Priorities List. We will have a presentation on the process by the EPA and a chance for discussion.

Dr. Dan Stralka, a toxicologist working at the U.S. EPA will be at the meeting to discuss with us human health risk assessment and to address some of the questions about the effects of contaminants that have come up at previous meetings.

We will also continue the discussion of the Parcel C Draft Final Feasibility Study that was started at the last RAB meeting.

I have enclosed a copy of a flyer for the National Stakeholders Forum on Monitored Natural Attenuation that is being held in Millbrae California on August 31 and September 1<sup>st</sup>. The forum is being put on by the Center for Public Environmental Oversight. There is no fee, but you must register in advance. The forum is designed to help community members become familiar with the science of natural attenuation that is being used at many cleanup sites in order to more actively influence regulatory oversight policies.

The meeting will start at 6:00 p.m. at the San Francisco City College at 1400 Evans Avenue on the 2<sup>nd</sup> floor. Also enclosed are the agenda for the meeting on Wednesday evening, the 26<sup>th</sup> of August and the minutes of the July meeting.

I hope that you are able to attend our next meeting.

Sincerely,

*Darlene Robbins for*

Michael McClelland  
Navy Co-chair

**AGENDA  
HUNTERS POINT SHIPYARD  
RESTORATION ADVISORY BOARD**

**DATE:** August 26, 1998

**LOCATION:** SF City College  
2<sup>nd</sup> Floor  
1400 Evans Avenue  
San Francisco

- |      |  |
|------|--|
| 6:00 | 1. Call to Order and Announcements<br><br>(Upcoming Documents and Activities)  |
| 6:05 | 2. Community Co-chair Report<br><br>(An opportunity for the community Co-chairs to discuss information of interest to the RAB)   |
| 6:15 | 3. Removal of Parcel A from the National Priorities List (NPL)<br><br>(EPA will make a presentation and lead a discussion on the delisting of Parcel A from the NPL)   |
| 6:35 | 4. Human Health Risk Assessment<br><br>(Dr. Dan Stralka, a Toxicologist for the U.S.EPA, will talk with us about human health risk assessments for the cleanup and answer questions on the effects of some contaminants being cleaned up at HPS) |
| 7:00 | 5. Continued Discussion on the Draft Final Parcel C Feasibility Study<br><br>(We will continue the discussion of the Draft Final Parcel C FS)  |
| 7:45 | 6. Recommendations for Agenda Items for next RAB meeting and future field trips/activities   |
| 7:55 | 7. Adjourn   |

**HUNTERS POINT SHIPYARD  
RESTORATION ADVISORY BOARD  
Wednesday, August 26, 1998**

**DRAFT MEETING MINUTES**

**LOCATION:** San Francisco City College  
2nd Floor Lounge  
1400 Evans Avenue  
San Francisco, CA

**PURPOSE:** To provide: (1) the Community Co-chair report, (2) information on the removal of Parcel A from the National Priorities List (NPL), (3) answers to concerns regarding the human health risk assessment, (4) continued discussion on the draft final Parcel C Feasibility Study, (5) and recommendations for the next RAB meeting agenda.

These minutes summarize the items discussed during the RAB meeting; they are not a verbatim transcript. Attachment A provides the attendance list, Attachment B provides the meeting agenda and Attachment C provides the presentation handout materials.

**FACILITATOR:** Ryan Brooks, EFA West

**I. Call to Order and Announcements**

Ryan Brooks opened the meeting at 6:10 p.m. noting he would be facilitating the meeting in Doug Kern's absence. There were no proposed changes to the agenda.

Mike McClelland, BRAC Environmental Coordinator and Navy Co-Chair, made the following announcements:

- comments are due on August 31 for the Parcel C draft final Feasibility Study (FS)
- all comments have been received on the draft work plan and field sampling plan for the Parcel E Validation Study; field sampling will begin in early September.

Ray Thompkins asked that Item 4 on the agenda, the Human Health Risk Assessment discussion, be moved up on the agenda. It was agreed that this item would follow the Community Co-Chair report.

## **II. Community Co-Chair Report**

Jill Fox urged the Navy to place signs on the trucks involved in the Parcel B soil removal to distinguish them from other trucks working at the Ferrari site outside the HPS gate. She stated that there have been problems associated with the trucks from the Ferrari site (driving off the site uncovered, working on weekends and late at night, and using neighborhood streets). Clearly marked trucks will help protect the Navy from community complaints and help the community direct complaints to the right source. Mr. Brooks confirmed that all trucks involved in the Navy's soil removal activities are marked with a white bumper sticker with a contact number on it. He added that each truck is checked before leaving the gate to ensure it has a sticker.

Dorothy Peterson asked if information regarding the trucks carrying bumper stickers was provided to the community. Mr. Brooks stated that the information went out in several ways - he went door-to-door to speak with people along Ennis Street, a fact sheet was mailed out to the Hunters Point community, a meeting was held for tenants of HPS, and an information table was set up at Zack's Rocket Café during the first week of the cleanup. Mr. Brooks noted that an update on the cleanup will go out in the next PAC mailing, as well.

Ms. Peterson stated the importance of being able to identify the Navy trucks because some other trucks are using routes through the neighborhood such as Ingles and Hudson Streets. Mr. McClelland noted that shipyard trucks are required to travel only a certain route out of Hunters Point; the route is outlined in the flyer.

Ms. Peterson expressed concern that information is not being provided to community members who are challenged by the printed word, and that the Navy needs to be more proactive in notifying the community of cleanup activities. She offered her assistance in getting the information out to the community. Erlinda Villa suggested bringing flyers to the local churches. Ms. Peterson advised the Navy to contact residents up the hill in addition to along the main roads through town. Amy Brownell, City of San Francisco, suggested that an information table be set up at Zack's Rocket Café again.

Ms. Peterson stated that the members of the Muwekma Ohlone tribe are getting more information that the shipyard is their land. She noted that it mainly affects reuse, but also has implications on the cleanup because they are requesting that cleanup be conducted to residential standards. Ms. Fox added that the tribe is challenging the City for ownership of the land, which may eventually affect cleanup. Mr. Brooks offered to meet with Ms. Peterson next week to further discuss the concern.

## **III. Human Health Risk Assessment**

Mr. McClelland introduced Dr. Dan Stralka, a toxicologist with U.S. EPA, who came to answer questions raised about human health risk assessment at earlier RAB meetings.

Dr. Stralka noted one concern regarding the partial volatilization of DDT and daughter products during removal actions at Parcel F and their effect on the community. Dr. Stralka stated that this concern has already been taken into account in the calculations for the preliminary remediation goals (PRGs). Vapor pressure for DDT and DDE are relatively low, however the calculations take into account inhalation exposure from windblown dust. This pathway becomes a possible complete exposure route, and is calculated in the PRG tables, which are used for screening sites.

Dr. Stralka explained that PRGs look at all the different pathways of exposure (airborne, in soil, in groundwater) how a person could be exposed to a chemical, and how the physical property will be used and potential exposure. The pathways of exposure are calculated to determine a level of concern for a chemical contributing to the pathways. He noted that dust exposure was taken into account in the calculations.

Mr. Thompkins asked if the tables are calculated by traditional EPA standards using high dose single exposure, or from low level cumulative effects. He pointed out concern regarding the high level of breast cancer being detected in young, African-American women from the local community. He noted particular concern with high DDT levels associated with Yosemite Slough and the link between DDT and breast cancer. Mr. Thompkins added that past practices have based risk assessments on 50-year-old white males in an industrial scenario, and don't reflect the situation at Hunters Point.

Mr. Stralka responded that the studies for DDT are from a higher dose, but are being extrapolated down to a zero dose. He added that there are a number of safety factors in extrapolating from animals to humans because there is no human data. The toxicity information uses animal data but is extrapolated to low dose levels. Recent scientific information regarding estrogenic-like compounds are not taken into consideration, but EPA has conducted several workshops on how to perform tests and what would be appropriate tests to determine these endpoints. As the data becomes available it will be incorporated into the toxicity levels and ultimately into PRG data.

Mr. Thompkins asked if genetic variances are taken into account in calculating risk, noting that the Hunters Point community is diverse and multi-cultural. He added that trends and ethnicity should be considered in the community rather than using a national standard. Dr. Stralka responded that when EPA derives toxicity values and reaches a point of uncertainty of population variability, the assessments are designed to err on the side of safety. In addition, in extrapolation from animals to humans, a factor of ten is added to the calculations to take into account population variability.

Mr. Tompkins stated that something is acutely wrong in the community given the health effects being observed in the local population. He noted that new data needs to be considered in risk calculations, as it becomes available. He added that synergistic effects also need to be considered.

Mr. Brooks asked if the windblown soil is affecting the local community. Dr. Stralka stated that this exposure is being taken into account in the PRG tables. He explained that the calculations



look at human exposure pathways on the shipyard; higher levels of exposure would be expected on the shipyard than in the community due to closer proximity to the source. Multiple chemical exposure is taken into account by adding the risks together.

Mr. Thompkins noted that the shipyard is not an isolated point, but that chemicals from the shipyard may be mixing in the neighborhood. He advocated that a realistic table be developed based on what is in the neighborhood, and what is coming off the shipyard as well as from other industry and mixing in the neighborhood.

Ms. Peterson asked why fish were not tested since people consume fish from the Bay. Dr. Stralka noted that there is a Bay-wide fish advisory, primarily due to concern about PCBs, but which also includes DDT. Mr. Thompkins noted that the fish advisory warning signs are not large enough for people to take heed.

Marie Harrison questioned further concerns about chemical exposure from windblown dust, noting health problems associated with her grandchildren when they are in the neighborhood. James Heagy suggested that the problems may be from allergies, noting an especially high level of allergens due to a long rainy season.

A member of the audience asked why the PRGs were not calculated taking into account synergistic effects, and why the effects are added rather than multiplied since there are so many different chemicals on site. Dr. Stralka replied that EPA has tried to streamline the calculations to provide a frame of reference. He pointed out that the data is not available to evaluate the synergistic or antagonistic effects of chemicals and that synergy has not yet been demonstrated through research.

Ms. Fox asked whether there was any attempt to assess the actual nearby population when the human health risks were calculated for the parcels. Dr. Stralka noted that the Agency for Toxic Substances and Disease Registry (ASTDR) looked at the local population. Mr. McClelland added that ASTDR issued a report in November 1994 on the health risks to the community which may have been associated with the shipyard. Dr. Stralka noted that the cleanup involves looking at what the current situation is and what it will be in the future; ASTDR looks at whether there was a problem before the cleanup and whether cases of disease can be associated with the problem. Mr. McClelland noted that ASTDR has an office in San Francisco.

Mr. Thompkins stressed that the assessment was performed only on the HPS property and did not take into account what is in the community. He noted that the calculations are not a realistic reflection of the community and asked if it is possible for a recalculation based on the community outside of the shipyard. Dr. Stralka replied that it is complicated to try to take everything into account outside of the shipyard, noting that the best way to calculate risk is to look at human exposure on HPS, where the exposure would be highest. He added that the calculations look at chronic exposure and consider genetic variation by adding in a factor of ten.

Ms. Peterson asked again why fish are not being tested. Dr. Stralka stated that the EPA has requested that the Navy include analysis of the fish consumption pathway. The Navy has responded that the Fish and Wildlife Service is already sampling the fish which has resulted in the Bay advisory. The Navy has also argued that it is hard to distinguish fish at Hunters Point because fish are a highly mobile species and may travel all around the Bay.

Ms. Fox asked about smaller marine animals such as mussels and shrimp that don't move around the Bay like fish do. Dr. Stralka acknowledged that EPA has also asked that the Navy sample these species. The Navy's response is that data is also being collected Bay-wide for these organisms. He noted that it is a regional concern and that the Bay is being monitored. There is a fish advisory in particular because of the types of chemicals and concentrations bio-accumulating in fish.

Ms. Peterson asked what the RAB can do. Dr. Stralka commented that evaluation of the endpoints is being driven by the ecological risks. If there is no effect on the organisms in the sediments or on the fish, then the effect on the rest of the food chain is minimized. Ms. Peterson requested that the issue be revisited at a later date and to also let the RAB know if there's anything they can do regarding the concern.

#### **IV. Removal of Parcel A from the National Priorities List (NPL)**

Sheryl Lauth, U.S. EPA, discussed a proposal to remove Parcel A from the NPL. She explained that the NPL is a list put together by EPA containing the highest priority sites in the country to help focus cleanup activities. All of HPS is currently on the NPL; Parcel A is being proposed for removal but Parcels B-F would remain. She distributed copies of an EPA letter to Byron Rhett of the San Francisco Redevelopment Agency, detailing CERCLA liability issues involving transfers of federally owned property.

Ms. Lauth stated that the city of San Francisco requested that Parcel A be delisted to help market the site to developers. No cleanup is required on Parcel A so it is a good candidate for delisting. Delisting follows the process of publishing a Notice of Intention to Delete in the Federal Register, following a 30-day state approval process. A 30-day comment period comes after the notice is published. She noted that community input before the process begins would be helpful.

Ms. Lauth stated that a tentative schedule allows for public comment to run from October 20 to November 20; RAB members will be informed of when this comment period begins. Ms. Lauth introduced Jeremy Bricker, an intern with EPA, who put together the draft Notice of Intention to Delete.

Ms. Lauth noted that Dr. Stralka would discuss the lead-based paint issue associated with Parcel A. Dr. Stralka explained that a goal of the cleanup program is to eventually remove all of the parcels from the NPL and that Parcel A starts the process. He stated all of the data was reviewed

to see if anything was missed. The only issue that came up from this review was the lead-based paint samples taken in the early 90's. Two of the samples - one at the water tower and one near a house - showed elevated lead levels. Both areas were resampled; high lead levels were not found at the house, and the average concentration of lead in the soil at the water tower at a two inch depth was 300 parts per million (ppm). The screening level used for lead at HPS is 220 ppm. It was determined that 300 ppm of lead in the soil wouldn't pose a problem based on the low volume of contaminated soil around the water tower. Dr. Stralka added that Housing and Urban Development (HUD) standards for residential areas use 400 ppm as a screening level and look at minimizing exposure at levels between 400 and 2,000 ppm. HUD would not suggest active remediation until levels reach between 2,000 and 5,000 ppm.

Ms. Harrison asked how the lead dissipated from around the house between the two sampling times. Dr. Stralka explained that the high reading of lead from the earlier samples may have been attributed to paint chips collected with the sample. Mr. McClelland added that there was a discrepancy between the levels found from two samples analyzed by different methods; the location was resampled and found to be at an acceptable level, and so the first sample reading was attributed to lab error.

Ms. Harrison asked if it would be expensive to remove the soil from the area. Dr. Stralka responded that it would be hard to justify the funds to remove the soil when the level is below HUD's 400 ppm standard and significantly below their 2,000 ppm standard. Ms. Brownell added that the City is comfortable with the level because most of the samples are below 220 ppm and pointed out that the redevelopment agency will remove the houses and regrade the site, which should eliminate any remaining problem.

Ms. Peterson asked if the parcel would likely get recontaminated. Dr. Stralka stated that if any contamination is discovered during redevelopment, the Navy must come back and reinvestigate. He added that the situation should be all right within the current systems and controls. Caroline Washington asked where the water tower is located. Dr. Stralka pointed out that it is in the northwest portion of the parcel, elevated above the large concrete building. He added that all of Parcel A has been investigated and is ready for reuse.

## **V. Continued Discussion on the Draft Final Parcel C FS**

Kent Morey, TetraTech EMI, reviewed that all investigation work has been completed at Parcel C. The FS summarizes the information from the investigation and develops remedial technologies. He noted that the area was used primarily for ship maintenance and repair. Soil contamination includes volatile organic compounds (VOCs), heavy metals and PCBs; nearly all of the groundwater contamination is caused by VOCs.

Mr. Morey explained that the FS develops goals to achieve in the cleanup. There are two remedial action goals for groundwater:

- identify the migration of contaminants through the soil and groundwater and into the Bay migration does not appear to be happening yet)
- protect human health from volatiles in the air - concentrations in groundwater may enter buildings and be breathed by people inside, completing an exposure pathway

Specific cleanup technologies would focus on either preventing contaminants from reaching the Bay or from reaching breathing space. He indicated on a map the locations of the contaminated areas.

Charles Dacus noted that the HPS cleanup scorecard indicates the FS is in progress through Fall 1998. Mr. Morey stated that the comment period will close at the end of the month, at which point a response to comments will be provided. A draft Proposed Plan will follow, which also includes a public comment period, then a technology will be chosen.

Mr. Morey briefly reviewed some of the items on a handout (refer to Attachment C) providing the definitions of groundwater remedial alternatives and soil remedial alternatives.

## **Soil Remedial Alternatives**

**Soil Vapor Extraction (SVE):** Pipes with holes are sunk into the ground; a vacuum on the end of the pipe draws air and the chemicals from the soil through the pipes like a straw. The air containing the chemicals is collected and the chemicals separated out to a container for treatment.

**Solidification and Stabilization (S/S):** This technology is used to treat heavy metals, not VOCs. The contaminated soil is mixed with a material that binds the soil and contaminants together to form a solid, concrete-like mass.

**Thermal Desorption:** Contaminated soil is heated to separate chemicals from the soil and move them into the air. The air containing the chemicals is then moved to another container for treatment.

## **Groundwater Remedial Alternatives**

Mr. Morey noted that some of the technologies work better for some sites than others, depending on the specific situation.

**Excavation of Saturated Affected Soil:** Contaminated soils are dug up and removed. Sides of the excavation may need to be shored up with sheet piling. This technology is best used for small, isolated sites.

**Groundwater Extraction, On-Site Treatment and Discharge to POTW:** Extraction wells remove groundwater, which is then pumped to an on-site location for treatment. The treated water is then discharged to the local publicly owned treatment works (POTW). This technology works well for larger areas.

Ms. Brownell noted that the Navy will have to obtain a permit from the City in order to discharge the treated water into the POTW. Mr. Morey noted that some chemicals may stick to the soil and require further action. Six-phase soil heating can be used to augment the removal of chemicals remaining in the soil.

**Six-Phase Soil Heating:** Electrodes are placed in the ground surrounding the affected area which heat up the soil when a voltage is applied. Steam created underground by the electrical current separates VOCs from the soil. The VOCs must be removed from the steam through another process. This is considered an emerging technology.

Additional technologies are noted in the handout, Attachment C.

Mr. McClelland Noted that a Proposed Plan, identifying a treatment technology, will be developed after the final FS. A 30-day review and comment period and a public comment meeting will follow. A Record of Decision (ROD) will be issued to complete the process.

#### **IV. Agenda Items**

The following items were identified as topics for the September meeting:

- tour of Parcel B cleanup
- further questions on the NPL
- Public Utilities Commission (PUC) presentation on Yosemite Creek

Mr. Brooks adjourned the meeting at 8:02 p.m.

**The next regular RAB meeting will be held on Wednesday, September 23, 1998, at the San Francisco City College, 6:00 p.m.**

**ATTACHMENT A**  
**MEETING AGENDA**

AGENDA  
HUNTERS POINT SHIPYARD  
RESTORATION ADVISORY BOARD

DATE: August 26, 1998

LOCATION: SF City College  
2<sup>nd</sup> Floor  
1400 Evans Avenue  
San Francisco

- |      |  |
|------|--|
| 6:00 | 1. Call to Order and Announcements<br><br>(Upcoming Documents and Activities)  |
| 6:05 | 2. Community Co-chair Report<br><br>(An opportunity for the community Co-chairs to discuss information of interest to the RAB)   |
| 6:15 | 3. Removal of Parcel A from the National Priorities List (NPL)<br><br>(EPA will make a presentation and lead a discussion on the delisting of Parcel A from the NPL)   |
| 6:35 | 4. Human Health Risk Assessment<br><br>(Dr. Dan Stralka, a Toxicologist for the U.S.EPA, will talk with us about human health risk assessments for the cleanup and answer questions on the effects of some contaminants being cleaned up at HPS) |
| 7:00 | 5. Continued Discussion on the Draft Final Parcel C Feasibility Study<br><br>(We will continue the discussion of the Draft Final Parcel C FS)  |
| 7:45 | 6. Recommendations for Agenda Items for next RAB meeting and future field trips/activities   |
| 7:55 | 7. Adjourn   |

**ATTACHMENT B**  
**RAB MEETING ATTENDANCE SHEETS**



**HUNTERS POINT SHIPYARD**  
**Restoration Advisory Board Meeting Attendance**

Date: August 26, 1998

RAB MEMBER	Present	ALTERNATE	Present
Vanessa Banks			
Bernestine Beasley			
Bill Billotte			
Sy-Allen Browning			
Wendy Brummer-Kocks			
Anthony Bryant			
Robert Christian			
Therese Coleman			
Percy A. Coleman			
Charles L. Dacus, Sr.	✓		
Alonzo L. Douglas			
Vida Edwards			
Janet Ellis			
Laurie Espinoza			
Manuel J. Ford			
Jill Fox	here ✓		
Bonnie Fraenza			
Greg Freeman			
Silk V. T. Gaudin	✓		
Michael Harris			
James A. Heagy	✓	New address Box 27397 SF 94127-0397	
David E. Jackson			

RAB MEMBER	Present	ALTERNATE	Present
Helen Jackson			
Henrietta Jones			
Doug Kern			
Anthony LaMell			
Scott Madison			
Mamie Matthews			
Khafra K. Omra Zeti			
Hali Papazian			
Dorothy Peterson	X		
Rev. J.P. Pryor			
Christine Shirley		→ Kavitha Rao (Arc Ecology)	X
Carol E. Tatum			
Leon Thibaux			
Erlinda B. Villa	here	EW	
Caroline Washington	CW		
Mrs. Oceola Washington			
Gwendolyn Westbrook			
Nathanial White III			
Andre Williams			
Patricia Wright			
Mark Youngkin			

REGULATORS	Present	Agency
Amy Brownell <i>here</i>		S.F. Dept. Of Public Health
John Chester		S.F. Dept. of Public Works, Site Assessment Remediation Division
Byron Rhett		S.F. Redevelopment Agency
Kenneth Shaw		U.S. Dept. of the Interior
Claire Trombadore <i>Jeremy Bricker</i>		U.S. EPA
Sheryl Lauth	<i>SL</i>	U.S. EPA
Dr. Dan Stralka	<i>DS</i>	U.S. EPA
Richard Hiett		RWQCB
Mike Williams/Bettie Woods		BDI, Inc.
<i>David Rist</i>	<i>DR</i>	<i>DTSC</i>
<i>Valerie Heusinkveld</i>	<i>Valerie</i>	<i>DTSC</i>
U.S. NAVY		
Ryan Brooks <i>here</i>		Dir of Community Relations, EFA West
Cdr. Jim Gustafson		Bay Area Base Transition Coordinator
Michael McClelland <i>here</i>	<i>✓</i>	Navy Co-chair, EFA West
Bill Radzevich <i>✓</i>	<i>WA</i>	EFA West
Luann Tetirick		EFA West
TETRA TECH EM INC.		
Stacey Lupton <i>here</i>	<i>✓</i>	
Jim Sickles	<i>✓</i>	
<i>Kent Moren</i>	<i>✓</i>	

GPI	Present	
Darlene Brown	✓	
Barry Gutierrez	✓	
<del>Raymond</del> <i>Joseph</i>	✓	
PUBLIC/GUESTS		Address/Phone
<i>Patrick Brown</i>		<i>Ugeta Solutions Group</i> <i>499 Unadon Street</i> <i>San Francisco, CA 94134</i>
<i>Ed Oca</i>		<i>SF DPH / OSH</i> <i>511 606 Hunter Pl</i>
<i>Rich Casal</i>	✓	<i>MSE (TA to SACT)</i>
<i>Nal'm Harrison</i>		<i>HARRISON &amp; HARRISON, Advoc</i> <i>3900 Geary St.</i> <i>SAN FRANCISCO</i>

*Don Adkins*

**ATTACHMENT C**  
**HANDOUT MATERIALS**

**Proposed Draft Schedule for deletion of Parcel A of Hunters Point Shipyard from the NPL:**

- EPA requests concurrence on the deletion from DTSC on approximately September 15, 1998. The State then has 30 days to respond.
- EPA publishes the Notice of Intention to Delete (NOID) in the Federal Register on approximately October 20, 1998. EPA simultaneously publishes a Public Notice in local newspapers.
- EPA collects public comments on the NOID for 30 days (approximately October 20 until November 20, 1998).
- EPA drafts a Responsiveness Summary of public comments (approximately 30-45 days).
- EPA publishes a Notice of Deletion (NOD) in the Federal Register, and Parcel A is removed from the NPL on approximately December 31, 1998.

40 CFR PART 300

National Oil and Hazardous Substances Pollution Contingency Plan

National Priorities List

AGENCY: Environmental Protection Agency

ACTION: Notice of intent for partial deletion of the Treasure Island Naval Station - Hunters Point Annex Site from the National Priorities List (NPL).

SUMMARY: The Environmental Protection Agency (EPA), Region 9, announces its intent to delete operable unit (OU) No. 1, also known as Parcel A, of Treasure Island Naval Station - Hunters Point Annex, also known as Hunters Point Naval Shipyard (HPS), Superfund Site (EPA ID # CA1170090087) from the National Priorities List (NPL) and requests public comment on this action. The NPL constitutes Appendix B to the National Oil and Hazardous Substance Pollution Contingency Plan (NCP), 40 CFR part 300, which EPA promulgated pursuant to section 105 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA).

This proposal for partial deletion pertains to Parcel A, which includes the upland area of HPS and a portion of the lowlands. A majority of Parcel A had functioned as a residential area for Navy personnel and is deemed, by the City of San

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Francisco Redevelopment Agency, for future residential use. The Navy has issued a "no action" Record of Decision (ROD) for Parcel A. EPA bases its proposal to delete Parcel A on the determination by EPA and the State of California, through the California Environmental Protection Agency (Cal/EPA), Department of Toxic Substances Control (DTSC), that all appropriate actions under CERCLA have been implemented to protect human health, welfare, and the environment at Parcel A.

This partial deletion pertains only to Parcel A of the HPS Site and does not include Parcels B, C, D, E, and F. Parcels B, C, D, E, and F will remain on the NPL, and response activities will continue at these parcels.

**DATES:** Comments concerning this site may be submitted on or before [insert date 30 days from publication date].

**ADDRESSES:** Comments may be submitted to Carolyn J. Douglas (SFD-5), NPL Coordinator, U.S. EPA, Region 9, 75 Hawthorne St., San Francisco, CA 94105, 415-744-2343, Fax 415-744-1916, email DOUGLAS.CAROLYN@EPAMAIL.EPA.GOV.

**INFORMATION REPOSITORIES:** Comprehensive information on this Site is available for viewing at the following locations:

U.S. EPA, Region 9, Superfund Records Center, 4th floor, 95 Hawthorne St., San Francisco, CA 94105, 415-536-2000.



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Anna E. Waden Branch Library, 5075 Third St., San Francisco, CA  
94124, 415-715-4100.

San Francisco Main Public Library, Civic Center, San Francisco,  
CA 94102, 415-557-4400.

FOR FURTHER INFORMATION CONTACT: Claire Trombadore (SFD-8-2),  
RPM, U.S. EPA, Region 9, 75 Hawthorne St., San Francisco, CA  
94105, 415-744-2409, Fax 415-744-1916, email  
TROMBADORE.CLAIRE@EPAMAIL.EPA.GOV.

**SUPPLEMENTARY INFORMATION:**

**Table of Contents**

- I. Introduction.
- II. NPL Deletion Criteria.
- III. Deletion Procedures.
- IV. Basis for Intended Site Deletion.

**I. Introduction**

The United States Environmental Protection Agency (EPA),  
Region 9, announces its intent to delete a portion of the  
Treasure Island Naval Station - Hunters Point Annex, also known  
as Hunters Point Naval Shipyard (HPS), Site located in San  
Francisco, California, from the National Priorities List (NPL),  
which constitutes Appendix B of the National Oil and Hazardous  
Substances Pollution Contingency Plan (NCP), 40 CFR part 300, and

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requests public comment on this proposal.

This proposal for partial deletion pertains to Parcel A, which consists of the upland area, as well as a portion of the lowlands, of HPS. Parcel A is bounded by the other portions of HPS and the Bayview-Hunters Point district of San Francisco. Parcel A boundaries extend up to Crisp St. and across Spear Ave. to the south, up to Griffith St. to the west, and up to Fisher Ave. and across Robinson St. and Galvez Ave. to the east. On the north, the Bayview-Hunters Point district of San Francisco is delineated from HPS by a fence. A figure and the exact coordinates that define the deleted property at the Site are contained in the NPL Deletion Docket.

Section II of this document explains the criteria for partially deleting portions of a site from the NPL. Section III discusses the procedures that EPA is using for this action. Section IV discusses the HPS Site and explains how partial deletion criteria are met for this Site.

## II. NPL Deletion Criteria

Section 300.425(e) of the NCP provides that releases may be deleted from, or recategorized on, the NPL where no further response is appropriate. In making a determination to delete a release from the NPL, EPA shall consider, in consultation with

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the state, whether any of the following criteria have been met:

(i) Responsible parties or other parties have implemented all appropriate response actions required;

(ii) All appropriate Fund-financed response under CERCLA has been implemented, and no further action by responsible parties is appropriate; or

(iii) The remedial investigation has shown that the release poses no significant threat to public health or the environment and, therefore, taking of remedial measures is not appropriate.

Site releases may not be deleted from the NPL until the state in which the site is located has concurred with the proposed deletion. EPA is required to provide the state with 30 working days for review of the deletion notice prior to its publication in the **Federal Register**.

As described in 40 CFR 300.425(e) (3) of the NCP, sites deleted from the NPL are eligible for further remedial action should future conditions warrant such action. If new information becomes available which indicates the need for further action, EPA may initiate remedial actions. Whenever there is a significant release from a site deleted from the NPL, the site may be restored to the NPL without the application of the Hazard Ranking System.

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### III. Deletion Procedures

The following procedures were used for the intended partial deletion of this site: (1) All appropriate response under CERCLA has been implemented and no further EPA response is appropriate; (2) the State of California has concurred with the partial deletion; (3) a notice has been published in the local newspapers and has been distributed to the appropriate Federal, State and local officials and other interested parties announcing the commencement of the 30-day public comment period on EPA's Notice of Intent to Delete; and (4) all relevant documents have been made available in the local site information repositories.

Deletion from the NPL does not itself create, alter, or revoke any individual's rights or obligations. As mentioned in Section II of this notice, Section 300.425(e)(3) of the NCP states that the deletion of a site from the NPL does not preclude eligibility for future response actions.

EPA's Region 9 office will accept and evaluate public comments on EPA's Notice of Intent to Delete before making a final decision to delete the specified parcel. If necessary, Region 9 will prepare a Responsiveness Summary to address any significant public comments received.

If EPA determines, with the State's concurrence, that the

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partial deletion is appropriate after consideration of public comment, then EPA will place a final Notice for Partial Deletion in the Federal Register, completing the process. Public notices and copies of the Responsiveness Summary, if necessary, will be available in the site repositories.

#### IV. Basis for Intended Partial Site Deletion

The following summary provides EPA's rationale for the proposed deletion of Parcel A of the HPS Site from the NPL.

##### *Site Description*

HPS is located on a promontory in southeastern San Francisco. The promontory is bounded on the north, east, and south by San Francisco Bay and on the west by the Bayview-Hunters Point district of the City of San Francisco. The entire HPS covers 936 acres, 493 of which are on land and 443 of which are under water. To facilitate the environmental investigation and remediation and ultimate transfer of the property to the City of San Francisco, HPS was divided into several parcels (Parcels A through F).

Parcel A, consisting of the upland areas of HPS and a fraction of the lowlands, is bounded by the other portions of HPS and the Bayview-Hunters Point district and covers approximately

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88 acres. Land to the northwest of Parcel A is used for residential purposes. The other HPS parcels that bound Parcel A are currently undergoing investigation and remediation for future redevelopment. Under the City of San Francisco Redevelopment Agency's current land-use plan, those parcels will ultimately be used primarily for commercial and industrial purposes, whereas Parcel A will be used for residential as well as for light commercial purposes.

No wetlands or surface waters are located at Parcel A. Limited quantities of groundwater are present in localized fractures of the bedrock (which, along with localized areas in which it is covered by fill, underlies all of Parcel A). Parcel A groundwater is not considered suitable as a potential source of drinking water because of low well yield.

No underground storage tanks (UST), aboveground tanks (AST), drums, or hazardous materials storage areas remain on Parcel A. Sewer lines, storm drains, and steam lines located in Parcel A were also included in the early investigations, but no further action was required for these utilities.

#### *Site History*

Hunters Point was first developed for dry dock use in 1867..

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The Navy acquired title to the land in 1940 and began developing the area for various shipyard activities. In 1942, the Navy began using HPS for shipbuilding, repair, and maintenance. From 1945 to 1974, the shipyard was primarily used as a repair facility by the Navy. The Navy discontinued activities at HPS in 1974. From 1976 to 1986, the Navy leased 98 percent of HPS, including all of Parcel A, to the Triple A Machine Shop Company (Triple A), a private ship repair company. In 1986, the Navy reoccupied the property. Currently, portions of Parcel A are subleased for use as artists' studios.

Throughout its history, Parcel A was used by both the Navy and Triple A for primarily residential purposes. In addition, the Navy used one building for the National Radiation Defense Laboratory Program. Most of the other structures were used as offices and warehouses.

#### *Site Investigation Activities*

The Navy began environmental studies at HPS in 1984 under the U.S. Department of Defense (DOD) Installation Restoration Program. Between 1984 and 1991, the Navy performed a series of investigations, both installation-wide and specific to Parcel A, to identify potential source areas of contamination and to

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investigate air quality.

In 1989, EPA added HPS to the NPL due to the presence of hazardous materials from past shipyard operations (proposed in 54 FR 29820, and final in 54 FR 48184). In 1990, the Navy, EPA, and the State of California entered into a Federal Facilities Agreement (FFA) to coordinate environmental activities at HPS. In 1991, the DOD designated HPS for closure as an active military base under its Base Realignment and Closure (BRAC) program.

The Navy carried out a preliminary assessment/site inspection (PA/SI) of potential source areas on Parcel A that had been identified during the Navy's previous investigations. Soils at some sites contained semivolatile organic compounds (SVOC), pesticides, polychlorinated biphenyls (PCB), total petroleum hydrocarbons (TPH), metals, volatile organic compounds (VOC), and herbicides. In the process of conducting the Remedial Investigation (RI), contaminated soils in these limited areas were excavated, disposed of off-site, and replaced with clean soil. At the completion of the RI, the Navy determined that all necessary response actions had been taken for Parcel A soils.

As part of the Parcel A RI, groundwater was also investigated. The RI concluded that the only contamination concern was from motor oil (a form of TPH). Due to low well



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yield, lack of historical use of Parcel A groundwater, and the nature of this bedrock aquifer, it was concluded that no complete pathway for exposure to Parcel A groundwater exists.

Furthermore, motor oil is not specified as a hazardous substance under CERCLA, and the State does not intend to require further action on this release. As requested by the Regional Water Quality Control Board (RWQCB), however, Parcel A will be subject to a deed notification so that future users will be informed that motor oil was detected in groundwater.

In addition to evaluating human health issues, an Ecological Risk Assessment was conducted. The Ecological Risk Assessment concluded that, due to the limited availability of habitat, the scarcity of potential receptors, and the low level of contaminants detected on Parcel A of HPS, the risks to ecological receptors from Parcel A are minimal.

After the RI, the Navy, EPA, and Cal/EPA concurred that no further action is necessary on Parcel A. The proposed plan for this portion of HPS was released for public comment in August of 1995. After reviewing comments and determining that no significant changes to the preferred remedy were required, the Navy, in concurrence with EPA and Cal/EPA, issued a "no action" Record of Decision (ROD) in November 1995. Since hazardous

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substances are not present at Parcel A at concentrations above acceptable risk levels, the five year review requirement of CERCLA Section 121(c) is not applicable.

### *Community Involvement*

In the late 1980s, the Navy formed a Technical Review Committee (TRC), consisting of community members and representatives of regulatory agencies, to discuss environmental issues pertaining to HPS. In 1993, pursuant to the Defense Environmental Restoration Program, 10 U.S.C. Section 2705(d), the TRC was replaced by a Restoration Advisory Board (RAB), at which representatives from the Navy, the local community, and regulatory agencies meet monthly to discuss environmental progress at HPS.

The draft RI report and proposed plan for Parcel A were released to the public in the summer of 1995. The proposed plan was mailed to stakeholders involved with HPS. Notice of availability of the proposed plan was published in local newspapers. The Parcel A ROD summarizes comments received during the subsequent public meeting and 30 day public comment period. These community participation activities fulfill the requirements of Section 113(k)(2)(B)(i-v) and Section 117(a)(2) of CERCLA. In

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addition to this, the Navy publishes an HPS-specific quarterly newsletter for the local community entitled *Environmental Clean-Up News*.

#### *Current Status*

One of the three criteria for site deletion specifies that EPA may delete a site from the NPL if "responsible parties or other parties have implemented all appropriate response actions required." EPA, with the concurrence of the State of California, believes that this criterion for this partial deletion has been met. The State of California concurs with the proposed deletion of Parcel A of the Treasure Island Naval Station - Hunter's Point Annex Site. Subsequently, EPA is proposing partial deletion of this Site from the NPL.

## **Definitions of Groundwater Remedial Alternatives**

**Excavation of Saturated Affected Soil.** Overlying, unsaturated soils and saturated soils that contain metals, PCBs, and volatile organic compounds (VOCs, often components of cleaning solvents) are dug up and removed using conventional excavation equipment. Shoring is required when excavating saturated soil to support the sides of the excavation.

**Groundwater Extraction, On-Site Treatment and Discharge to POTW.** Several extraction wells are installed and pumped at specified rates to remove groundwater. Once groundwater is removed it is pumped to a central treatment area where it is treated on site and discharged to the local publicly owned treatment works (POTW). Groundwater extracted for treatment at Parcel C is mostly contaminated by VOCs and will be treated by passing the groundwater through a filter that contains granulated activated carbon, a material that attracts and treats the contaminants.

**Air Sparging/Two-Phase Extraction.** Air sparging injects air into the groundwater to separate the VOCs from soil and groundwater through volatilization (evaporation). These VOCs are then captured using two-phase extraction. Two-phase extraction consists of applying a vacuum to a well to remove groundwater and soil vapor containing VOCs.

**Six-Phase Soil Heating.** Six-phase soil heating (SPSH) is a technology used to enhance the effectiveness of two-phase extraction. Electrodes are placed in the ground surrounding the affected area of soil and groundwater and a voltage is applied to the electrodes. This voltage creates an electrical current that heats the soil and groundwater. The heated soil and groundwater create a source of steam underground. The steam separates VOCs from the soil and carries the VOCs from the soil and groundwater to the two-phase extraction wells.

**Bioremediation Using Enhanced Oxygen.** Oxygen release compound (ORC) is placed into socks that are lowered into a well in the area of affected groundwater. ORC consists of magnesium peroxide that releases oxygen at a slow, controlled rate when wet. The additional oxygen is used by naturally occurring microbes that metabolize VOCs into harmless by-products.

**Chemical Oxidation.** Chemical oxidation is achieved by injecting hydrogen peroxide and iron into the affected groundwater through wells. The hydrogen peroxide and iron combine to help break down VOCs into nonhazardous, naturally occurring substances. These substances degrade into carbon dioxide and water.

**Pneumatic/Hydraulic Fracturing.** Involves injection of highly pressurized air into unsaturated or saturated soil to create a network of cracks in the soil. The network of cracks increases the permeability of the soil. Increased soil permeability helps the removal or remediation of contaminants by two-phase extraction, chemical oxidation, or bioremediation.

**Sheet Piling.** Steel sheet piling is driven into the ground downgradient of contaminated groundwater to create a subsurface barrier. This barrier isolates the affected groundwater from potential environmental receptors and controls migration of contaminants.

## **Definitions of Soil Remedial Alternatives**

**Soil Vapor Extraction (SVE):** A treatment technology that removes harmful chemicals from soil. In an SVE system, pipes containing holes are sunk into the ground with the ends of the pipe above the ground surface. A vacuum is then attached to the ends of the pipes to draw air from the soil through the pipes. As the air passes through the soil, the chemicals move from the soil and are carried through the air as it travels out of the pipe. Air containing the chemicals is then trapped in a container for either disposal or further treatment.

**Solidification and Stabilization (S/S):** A technology used to treat soil containing a variety of contaminants. During the S/S process, contaminated soil is mixed with a material that binds the soil and contaminants together to form a solid, concrete-like mass from which contaminants are unable to move.

**Thermal Desorption:** A technology that heats contaminated soil in an oven-like machine to separate harmful chemicals from soil and move them into the air. The air containing the chemicals is then moved to another container for additional treatment or disposal, and the soil is cooled and either used as backfill or treated further.

# Arc Ecology

833 Market Street, San Francisco California 94103

Phone 415.495.1786 Fax 415.495.1787 E-mail [Arc@jgc.apc.org](mailto:Arc@jgc.apc.org)

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August 10, 1998

Commanding Officer  
Engineering Field Activity West  
Naval Facilities Engineering Command  
900 Commodore Drive  
San Bruno, CA 94066-5006

Attn: Mr. Richard Powell, Code 6221

**RE: Hunters Point Parcel E Validation Study Workplan**

Dear Mr. Powell:

We are in general agreement with the Parcel E Validation Study Workplan. We think that the data collected at Hunters Point will be useful for calibrating ecological models at all Navy sites. We disagree, however, with using the  $10^{-5}$  industrial cleanup levels to calculate chemical hazard quotients for organic compounds (as described on page 7 of the workplan.). No decision has been made to remediate to this level at Parcel E. Using the  $10^{-5}$  risk level for this study eliminates data from the analysis that could be useful for future decisionmaking. Specifically, high molecular weight PAHs will not be considered potential chemicals of concern at many sites and consequently data about them will not be collected.

In keeping with the Navy's policy to remediate only to reuse, we suggest that chemical hazard quotients be calculated using  $10^{-6}$  industrial land use cleanup levels for organic compounds. This would pull the high molecular weight PAHs into the analysis and make this information available for cleanup decisionmaking later on.

As part of the validation effort, we also encourage the Navy collect and analyze edible fish and shellfish tissue samples. Humans are, after all, part of the terrestrial food web. Furthermore, ATSDR recommended in their 1994 Public Health Assessment for Hunters Point Shipyard that edible fish and shellfish caught off-shore from HPS be analyzed for toxins typical of the Shipyard. As far as I know, this recommendation has yet to be acted upon.

Thank you for providing us the opportunity to comment on this document.

Sincerely,

A handwritten signature in cursive script, reading "Christine Shirley". The signature is fluid and extends to the right with a long, sweeping tail.

Christine Shirley  
Environmental Analyst

Cc: Michael McClelland, US Navy  
Sheryl Lauth, USEPA  
Valerie Heusinkveld, California DTSC  
Amy Brownell, San Francisco Health Department  
Mayor Willie Brown, City of San Francisco  
San Francisco Board of Supervisors  
Byron Rhett, SF Redevelopment Agency  
Claude Wilson, SAEJ  
Clean Waterfront Coalition



September 15, 1998

Dear RAB Board Member,

The removal portion of the Parcel B -1 Remedial Action is nearly complete. So far 38,400 tons of Class II material and 900 tons of Class I material have been excavated and disposed offsite. Starting last week and being completed this week is the transportation of approximately 3000 tons of California Hazardous material offsite in railcars. The primary focus of the remaining work is to sample the excavations to determine if cleanup is complete and then backfill the excavations. The first part of the September RAB meeting will be a short tour of the Parcel B - 1 cleanup sites. We will meet at the Dago Mary parking lot at 6:00PM the 23<sup>rd</sup> of September to board Navy vans for a quick visit to the excavations. We will not be able to visit the site on foot due to the open excavations. After the site visit, we will return to the meeting room at the San Francisco City College to start our meeting at about 7:00PM.

At our August meeting we had a presentation on delisting Parcel A from the National Priorities List (NPL). This month we will have a brief opportunity for further discussion of the process. We will also have a San Francisco Public Utilities Commission (PUC) presentation on Yosemite Creek.

The site visit will start at 6:00PM at the parking lot by Dago Mary's, with the remainder of the RAB meeting starting at 7:00 p.m. at the San Francisco City College at 1400 Evans Avenue on the 2<sup>nd</sup> floor. Enclosed are the agenda for the next meeting on Wednesday evening, the 23<sup>rd</sup> of September and the minutes of the August meeting.

I hope that you are able to attend our next meeting.

Sincerely,

Michael McClelland  
Navy Co-chair



**AGENDA  
HUNTERS POINT SHIPYARD  
RESTORATION ADVISORY BOARD**

**DATE:** September 23, 1998

**LOCATION:** Parking lot at Dago Mary Restaurant  
Then at:  
SF City College  
2<sup>nd</sup> Floor  
1400 Evans Avenue  
San Francisco

- |      |  |
|------|--|
| 6:00 | <p>1. Tour of Parcel B-1 Cleanup Sites Starting from Dago Mary Parking Lot</p> <p>(An opportunity to see the excavations at Parcel B -1 prior to backfilling. Tour will be in Navy vans only. No private vehicles allowed)</p> |
| 7:00 | <p>2. Call to order and Announcements</p> <p>(Upcoming Documents and Activities)</p>   |
| 7:05 | <p>3. Community Co-chair Report</p> <p>(An opportunity for the Community Co-chairs to discuss information of interest to the RAB)</p>  |
| 7:15 | <p>4. Removal of Parcel A from the National Priorities List (NPL)</p> <p>(A continuation of the discussion on the delisting of Parcel A from the NPL)</p>  |
| 7:25 | <p>5. Discussion of Yosemite Creek Cleanup</p> <p>(The San Francisco Public Utilities Commission will present and discuss the status of the investigation of Yosemite Creek)</p>   |
| 7:50 | <p>6. Recommendations for Agenda Items for next RAB meeting and future field trips/activities</p>  |
| 7:55 | <p>7. Adjourn</p>  |

**HUNTERS POINT SHIPYARD  
RESTORATION ADVISORY BOARD  
Wednesday, September 23, 1998**

**DRAFT MEETING MINUTES**

**LOCATION:** San Francisco City College  
2<sup>nd</sup> Floor Lounge  
1400 Evans Avenue  
San Francisco, CA

**PURPOSE:** To provide: (1) the Community Co-chair report, (2) a community relations update, (3) an update on the Parcel B-1 cleanup, (4) an orientation on the draft final Parcel C Feasibility Study, (5) and recommendations for the next RAB meeting agenda.

These minutes summarize the items discussed during the RAB meeting; they are not a verbatim transcript. Attachment A provides the attendance list, Attachment B provides the meeting agenda and Attachment C provides the presentation handout materials.

**I. Call to Order and Announcements**

Ryan Brooks, EFA West, opened the meeting at 6:57 p.m. He noted the successful tour of Parcel B-1 Cleanup sites held by the Navy for RAB members prior to the meeting. He then requested announcements from the board.

? { Dorothy Peterson announced the Wellness Expo to be held from 10:00 a.m. to 5:00 p.m. on Saturday, October 17 at the Milton Myers Gym. She suggested that RAB members and/or the Navy have an informational table on cleanup activities, noting it as a good community outreach opportunity. Mr. Brooks stated that he would not be available on that day but could provide information. Chris Shirley stated that she would coordinate with Mike McClelland, Base Environmental Coordinator and Navy Co-chair, and keep Ms. Peterson informed of their plans to set up a table. Amy Brownell, San Francisco Department of Health, stated she would see if a representative of the Health Department could attend.

Ms. Shirley announced that ARC Ecology has been reviewing a new EPA rule on lead-based paint in housing built before 1978. She noted that it doesn't relate directly to HPS but is a big Housing and Urban Development (HUD) issue. She suggested that concerned citizens request a deadline extension on the public comment period to allow for more outreach efforts. Ms. Shirley distributed information on the topic.

## II. Community Co-Chair Report

Mr. Brooks noted that Ms. Fox was unable to attend tonight's meeting. He called upon Caroline Washington for any comments. Ms. Washington reported that the technical advisor to SAEJ, funded under the Technical Assistant Grant, has requested time on the agenda to address the board at the next RAB meeting.

## III. Removal of Parcel A from the National Priorities List (NPL)

Sheryl Lauth, U.S. EPA, informed the RAB that the EPA has prepared a letter to the state asking their concurrence on delisting Parcel A from the NPL. The letter will likely be mailed to the state tomorrow with a 30-day comment period. The public comment period will begin around October 23.

Ms. Peterson noted that discussion about the Muekwa Ohlone Tribe's claim to ownership of shipyard property was not on the agenda. She noted that it was her understanding from the last meeting that the topic would be addressed and that she had invited a tribal representative to speak to the RAB. Mr. McClelland responded that he had misunderstood the request and would allow time at the end of the meeting for discussion of the topic.

Ms. Peterson also stated that a community organization, such as BDI, is needed to monitor and ensure that the local community has equal opportunity to jobs at HPS. She noted as an example that only one of five local trucking companies was contacted to bid on soil removal work at HPS.

Mr. Brooks pointed out that contractors for the Navy, such as IT Corp., are required by contract to meet small business goals; not meeting the goals affects the amount of payment they receive.

Ms. Shirley asked if the Navy could keep track of IT Corp.'s hiring decisions and report monthly or quarterly to the RAB as a way of monitoring whether targets are being met. Mr. Brooks stated that he would check with the contracting office to see if this could be done; contractors such as IT Corp. are required to report their hiring activities to the government every three to six months.

Marie Harrison stated that this information does the community no good once the work has been completed. The Navy has an obligation to be diligent in adequately notifying local businesses of contract opportunities on the front end of the process, when the contracts are put out to bid. She noted the need to not only justify but to also correct the recent situation regarding the lack of outreach to local trucking companies. Ms. Peterson voiced agreement that IT Corp., under contract with the Navy, had an obligation to contact all five local trucking companies and to allow a reasonable amount of time for them to prepare bids.

Ms. Harrison requested the list of contractors from the Navy, along with the dollar value of their contracts. Mr. Brooks stated that he would contact IT Corp. and provide a presentation at the next RAB meeting. Ms. Peterson reiterated the need to have an organization monitor IT's hiring practices. Mr. McClelland stated that, for previous shipyard contracts, IT Corp. has been proactive in the community. He noted an example where IT Corp. invited local contractors to

## SAEJ Technical Assistance Grant

Ms. Shirley requested that a parcel-by-parcel review and status be provided each month as a standing agenda item. Ms. Lauth suggested this could be covered as a one-page handout that could be changed and updated as necessary. Ms. Harrison requested that enough time be allowed for questions and answers for the IT Corp. presentation.

Mr. Brooks adjourned the meeting at 7:58 p.m.

**The next regular RAB meeting will be held on Wednesday, October 28, 1998, at the San Francisco City College, 6:00 p.m.**

**ATTACHMENT A**  
**MEETING AGENDA**

AGENDA  
HUNTERS POINT SHIPYARD  
RESTORATION ADVISORY BOARD

DATE: September 23, 1998

LOCATION: Parking lot at Dago Mary Restaurant  
Then at:  
SF City College  
2<sup>nd</sup> Floor  
1400 Evans Avenue  
San Francisco

- |      |   |
|------|---|
| 6:00 | 1. Tour of Parcel B-1 Cleanup Sites Starting from Dago Mary Parking Lot<br><br>(An opportunity to see the excavations at Parcel B -1 prior to backfilling. Tour will be in Navy vans only. No private vehicles allowed) |
| 7:00 | 2. Call to order and Announcements<br><br>(Upcoming Documents and Activities)   |
| 7:05 | 3. Community Co-chair Report<br><br>(An opportunity for the Community Co-chairs to discuss information of interest to the RAB)  |
| 7:15 | 4. Removal of Parcel A from the National Priorities List (NPL)<br><br>(A continuation of the discussion on the delisting of Parcel A from the NPL)  |
| 7:25 | 5. Discussion of Yosemite Creek Cleanup<br><br>(The San Francisco Public Utilities Commission will present and discuss the status of the investigation of Yosemite Creek)   |
| 7:50 | 6. Recommendations for Agenda Items for next RAB meeting and future field trips/activities  |
| 7:55 | 7. Adjourn  |

**ATTACHMENT B**

**RAB MEETING ATTENDANCE SHEETS**

**HUNTERS POINT SHIPYARD**  
**Restoration Advisory Board Meeting Attendance**

Date: Sept. 23, 1998

RAB MEMBER	Present	ALTERNATE	Present
Vanessa Banks			
Bernestine Beasley			
Bill Billotte			
Sy-Allen Browning			
Anthony Bryant			
Robert Christian			
Percy A. Coleman			
Therese Coleman			
Charles L. Dacus, Sr.	✓		
Alonzo L. Douglas			
Vida Edwards			
Janet Ellis			
Laurie Espinoza	X		
Manuel J. Ford			
Jill Fox			
Bonnie Fraenza			
Greg Freeman			
Silk V. T. Gaudin			
Michael Harris			
James A. Heagy			
David E. Jackson			



RAB MEMBER	Present	ALTERNATE	Present
Helen Jackson			
Henrietta Jones			
Doug Kern			
Anthony LaMell			
Scott Madison			
Mamie Matthews			
Khafra K. Omra Zeti			
Hali Papazian			
Dorothy Peterson	X		
Rev. J.P. Pryor			
Christine Shirley	X		
Carol E. Tatum			
Leon Thibeaux			
Erlinda B. Villa <i>g. b. v.</i>	X		
Caroline Washington <i>here</i>			
Mrs. Oceola Washington			
Gwendolyn Westbrook			
Nathanial White III			
Andre Williams			
Patricia Wright			
Mark Youngkin			
CYNDA MAXON	X		
<i>Na'im &amp; Marie Harrison</i>	<i>2</i>		

REGULATORS	Present	Agency
Amy Brownell	<i>AB</i>	S.F. Dept. Of Public Health
John Chester		S.F. Dept. of Public Works, Site Assessment Remediation Division
Byron Rhett		S.F. Redevelopment Agency
Kenneth Shaw		U.S. Dept. of the Interior
Claire Trombadore		U.S. EPA
Sheryl Lauth	<i>SL</i>	U.S. EPA
Dr. Dan Stralka		U.S. EPA
Richard Hiatt		RWQCB
Mike Williams/Bettie Woods		BDI, Inc.
Valerie Heusinkveld	<i>Valer</i>	DTSC
<b>U.S. NAVY</b>		
Ryan Brooks <i>here</i>		Dir of Community Relations, EFA West
Cdr. Jim Gustafson <i>Jim</i>		Bay Area Base Transition Coordinator
Michael McClelland	<i>mm</i>	Navy Co-chair, EFA West
Bill Radzevich <i>here</i>	<i>WR</i>	EFA West
Luann Tetirick		EFA West
<i>Mr. Finnegan</i>	<i>FF</i>	<i>EFA West</i>
<b>TETRA TECH EM INC.</b>		
Stacey Lupton		
Jim Sickles <i>here</i>	<i>JMS</i>	
<i>Melissa Mammion</i>	<i>M.M.</i>	<i>TEEMI</i>

GPI	Present	
Darlene Brown	DR	
Barry Gutierrez	BG	
PUBLIC/GUESTS		Address/Phone
Patrick Brown	PB	
E. J. O. L.	EMJ	BR
Leslie Lundgren		
Espanola Jackson		3231 Ingelle 467-0535
Larry Brown		815 Boernon Vista West 554-4400



October 21, 1998

Dear RAB Member,

I will be unable to attend this month's RAB meeting, but after talking it over with several people including Community Co-chair Jill Fox, we decided to proceed with the October RAB at the regularly scheduled time and place. While talking to Doug Kern about facilitating the meeting, he informed me that due to work load at his consulting business and his involvement with the Presidio RAB, he would no longer be able to facilitate the HPS RAB. I know that we all appreciate the work that Doug has put into the Hunters Point RAB over the past several years and will miss his input. Thank you very much Doug. I then talked to Ryan Brooks about facilitating the meeting. Ryan told me that he had accepted a position with a private firm and would be leaving his Navy Community Relations job. This is his last week with the Navy, but he will attend and facilitate the October RAB meeting. We appreciate all the work that Ryan has done for the Hunters Point RAB and the community and will miss his support. Thanks to you too, Ryan.

At the October RAB we will have an update on the Parcel B Cleanup progress. As requested at the last meeting, we will have a presentation by the Navy's Remedial Action Contractor, IT Corp., on their subcontracting and local hiring successes. We will have an opportunity to have a question and answer session following the presentation. I talked to Alex Lantsberg of SAEJ regarding a proposed presentation by their TAG contractor. Alex is setting up a separate community meeting which should be announced at the October RAB.

The RAB meeting will start at 6:00 p.m. at the San Francisco City College at 1400 Evans Avenue on the 2<sup>nd</sup> floor. Enclosed are the agenda for the next meeting on Wednesday evening, the 28th of October and the minutes of the September meeting.

I hope that you are able to attend this meeting.

Sincerely,

Michael McClelland  
Navy Co-chair

**AGENDA  
HUNTERS POINT SHIPYARD  
RESTORATION ADVISORY BOARD**

**DATE:** October 28, 1998

**LOCATION:** SF City College  
2<sup>nd</sup> Floor  
1400 Evans Avenue  
San Francisco

- |      |  |
|------|--|
| 6:00 | 1. Call to Order and Announcements<br><br>(Upcoming Documents and Activities)  |
| 6:05 | 2. Community Co-chair Report<br><br>(An opportunity for the community Co-chairs to discuss information of interest to the RAB)   |
| 6:15 | 3. Update on Parcel B-1 Cleanup<br><br>(We will discuss the cleanup on Parcel B-1.)  |
| 6:25 | 4. Discussion of IT Subcontracting and Hiring<br><br>(IT Corp. and Navy Representatives will present and discuss IT Corp.'s subcontracting and hiring practices and their success at involving community firms in the cleanup at HPS.) |
| 7:15 | 5. Recommendations for Agenda Items for next RAB meeting and future field trips/activities   |
| 7:25 | 6. Adjourn   |

**HUNTERS POINT SHIPYARD  
RESTORATION ADVISORY BOARD  
Wednesday, 28 October 1998**

**DRAFT MEETING MINUTES**

**LOCATION:** San Francisco City College  
2<sup>nd</sup> Floor Lounge  
1400 Evans Avenue  
San Francisco, CA

**PURPOSE:** To provide: (1) the Community Co-chair report, (2) an update on the Parcel B-1 cleanup, (3) discussion of TI Corp. subcontracting and hiring (4) and recommendations for the next RAB meeting agenda.

These minutes summarize the items discussed during the RAB meeting; they are not a verbatim transcript. Attachment A provides the attendance list, Attachment B provides the meeting agenda and Attachment C provides the presentation handout materials.

**I. Call to Order and Announcements**

Ryan Brooks, EFA West, opened the meeting at 6:07 p.m. and welcomed all attendees. He informed the RAB that Doug Kern would no longer facilitate the HPS RAB meetings because he would be working with the Presidio RAB. Mr. Brooks stated that Mike McClelland, Navy Co-chair, would not be able to attend the meeting due to a family emergency. Mr. Brooks also announced that he was leaving the Navy for a job in the private sector. He thanked the RAB for their efforts and noted his enjoyment in working with them.

Jill Fox noted that the RAB needs to decide on a meeting schedule for November and December since the meetings dates fall close to the Thanksgiving and Christmas holidays. She suggested that the RAB hold one meeting midpoint between the November and December dates. Marie Harrison asked to defer the decision to the end of tonight's meeting, to see if resolution is reached on the issues to be addressed tonight, or whether additional meetings will be needed.

Mr. Brooks updated the agenda to include a brief presentation by the Southeast Alliance for Environmental Justice (SAEJ).

**II. Presentation by SAEJ**

Alex Lantsberg, Project Coordinator of SAEJ, stated that his organization manages the Technical

Assistance Grant (TAG), which helps the community evaluate technical documents released by the Navy. Mr. Lantsberg announced that SAEJ has submitted comments on the Parcel C Feasibility Study and plans to hold a community meeting on the subject. A notice will be sent to RAB members once a date and location is determined. Additional comments, as a result of the meeting, will be provided to the Navy.

Mr. Lantsberg also informed the RAB about a recently funded program, called the Community Cleanup Monitoring Program, that was developed by SAEJ in collaboration with Arc Ecology. He stated that the program has been developed out of concern regarding the implementation and maintenance of institutional controls as part of the Navy's cleanup process. It is a pilot program that will allow residents more direct involvement in monitoring the cleanup. The plan is to train Hunters Point/ Bayview youth to monitor cleanup and construction activities, and to provide general community oversight at HPS. Funding is limited and so SAEJ intends to develop the program as a model so that more funding can be obtained. Updates will be provided to the RAB as the program develops.

Jeff Young, EFA West, questioned why the Parcel C community meeting would be held separate from the RAB. Mr. Lantsberg stated that a separate meeting is appropriate because the TAG provides for independent analysis of the issue and will foster a sense of independence in evaluating and commenting on the document. Comments will be provided to the Navy, who can then address them as part of the CERCLA process. Ms. Fox pointed out that the TAG provides an opportunity to spend more time reviewing technical information with the community than is available during RAB meetings and that comments are provided to the Navy as an outcome.

Mr. Young stated that he recognizes the value of the TAG, but expressed concern that other discussions outside of the RAB might blunt what the RAB has accomplished to date. Ms. Harrison stated that the TAG provides an opportunity for other community members to get involved and provides a vehicle for expression by those intimidated by the more technical nature of the RAB. Claire Trambadore, U.S. EPA, agreed and noted that the TAG is intended to provide information to the larger community.

### **III. Update on Parcel B-1 Cleanup**

Jill Finnegan, EFA West, reported that the Parcel B-1 cleanup project is roughly on schedule. Some excavations have reached clean soil, however, they are still encountering contaminated soil in other areas. Next week, the Navy will begin to backhoe excavations in B-1, and start excavations in B-2. Fuel line and steam line removal is also scheduled to begin next week.

Ms. Harrison asked if the rail cars are still being used to remove soil. Ms. Finnegan stated that the rail car soil removal is complete, but that trucks are still being used to haul the soil off site at a less frequent rate than when the work first began. Soil is now being stockpiled to maximize truck removal, which averages about one day per week. About 40 train cars were used, which equates to about 200 truck loads. Clean soil is being brought by truck from three locations to fill in the excavations.

Ms. Fox reported that she saw trucks leaving the HPS property that didn't have bumper stickers in place. As an action item it was agreed that IT Corp. would have bumper stickers on site to put on trucks leaving the property.

Ms. Finnegan stated that work is scheduled for completion in mid-January, however this could change depending upon what is found in the excavation process.

Charles Dacus noted two new groundwater monitoring wells to be sampled, and asked if the October sampling had been completed. Ms. Finnegan reported that this sampling is scheduled for next week.

David Gavrich asked how the quantity of soil removed compares to what was projected. Ms. Finnegan stated that removal quantities are higher than estimated, but that the Navy is in good shape budget-wise because overruns in some areas have been balanced out by cost savings in other areas.

#### **IV. IT Subcontracting and Hiring**

Mr. Brooks introduced Don Marini, Project Manager at IT Corp. Mr. Marini then introduced members of the staff, Dennis Styles, procurement officer, and Joe Tomei, contract manager. IT Corp. is the Navy's Remedial Action Contractor (RAC) for the Bay Area.

Mr. Brooks viewed that issues had been raised at the previous RAB meeting regarding IT Corp.'s subcontracting process for the Parcel B excavation work.

Mr. Marini informed the RAB that IT Corp. has been involved in construction work at HPS since 1996. He stated that he was involved with the first job fair set up by IT, which established interest by local businesses in work at HPS. They also enlisted BDI to assist with outreach to local businesses.

Mr. Marini explained that there are three ways IT Corp. has used local businesses - through purchasing supplies and services locally, such as hardware and janitorial supplies; through subcontractors, like construction and trucking companies; and through local hires, from the EPA minority worker training program. Mr. Marini then provided the names of some of the local businesses, subcontractors, and local hires used at HPS by IT Corp.

Ms. Harrison asked how IT Corp. defines "local". Mr. Marini replied that local businesses are those within the local zip code. Ms. Fox asked for the percentage of work provided by IT Corp. within each of the three categories of local business use previously described. Mr. Marini stated that the current contract with the Navy requires IT Corp. to meet 12 percent of the total contract with participation by small business. IT Corp. has been able to achieve 35.9 percent participation by small business.



Ms. Peterson asked what is considered a small business. Mr. Styles noted that the definition is regulated by the Federal Acquisition Regulation legislation, and varies depending upon the work category. A small disadvantaged business is defined as 51 percent minority owned (such as African-American or Asian-American). Women-owned businesses are considered a separate category.

Ms. Peterson asked who determined a 12 percent participation level by small business for the IT contract. Mr. Styles explained that the Navy required IT to provide a small business plan as part of the contract, which must then be reviewed and approved by the Navy. Mr. Marini added that for their second contract with the Navy, IT Corp. has proposed a 35 percent small business participation.

Ms. Fox distinguished between small business and local business, and asked what percentage of work will be available to local business. Mr. Marini pointed out that the IT contract includes other bases in the Bay Area, and so the 35 percent represents small business participation for the total program, not just HPS. He indicated that he did not have information specifically representative of HPS, but stated that he would determine this information, including the local businesses and dollar amounts, and provide it to the RAB.

Ms. Trombadore noted that the remedial action contract with IT covers an aggregate of bases and is not a contract with each individual base. Mr. Marini clarified that the small business percentage includes all bases under their contract in the Bay area. Ms. Trombadore likened the RAC to an octopus, with the head representing the overall contract, and the tentacles representing the work extending to each base. The percentage of small business participation is what is achieved overall at the top and not from each base. Ms. Trombadore stated that she believes IT Corp. is trying to do the best it can to involve local business, and suggested that concerns about participation should be directed to those who make up the contract.

Ms. Harrison expressed concern that the local community is not getting a fair share of the business, and pointed out that Bayview/Hunters Point has the highest unemployment rate in the City. Ms. Peterson asked for the specifics on how IT went about contacting local trucking companies about hauling opportunities for Parcel B soil removal at HPS.

Mr. Marini pointed out that trucking firms must be licensed by the Department of Transportation as a hazardous waste hauler in order to remove the soil from HPS. IT Corp. made a conscious effort to separate portions of the work that could be handled locally by non-hazardous waste haulers. Bid packages were sent specifically to four local firms, and to no others outside of the community on 30 June. Only one partial bid was received back by the 6 July deadline. All the firms were then called on 6 July; three indicated their intent to bid, and several were then received. The bid was opened up to small disadvantaged businesses due to the slow response, Local trucking firms were made a priority, however the bid was opened up to small disadvantaged businesses due to small response.

Ms. Peterson questioned why BDI was not asked to help in identifying local trucking companies.

Mr. Tomei indicated they were using a list generated by BDI. Mr. Marini added that they have since learned that their lists need to be kept continuously up to date. Mike Williams, of BDI, stated they were no longer under contract with the Navy, however they have recently begun to work with IT Corp.

Erlinda Villa noted the importance of going to the top to ensure that opportunities are provided to the local community. Mr. Williams stated that he would be meeting with IT next week to suggest creative ways to get the solutions the community is looking for. Ms. Harrison suggested that IT ask questions within the community to get information, to be more vigilant in updating lists, and to ask RAB members for input. She also expressed the community's interest in getting more involved in the RAC II contract to be negotiated, and noted the need for IT to get the support of the community.

Mr. Marini stated his interest in receiving input from the RAB and requested their names and numbers for future contact. Ms. Peterson suggested that a committee be formed to work with Ms. Trombadore, IT and BDI on this issue.

Ms. Fox asked for clarification on the standards of contract bidding, noting the short time frame in which local businesses had to respond to the soil hauling bid request. Mr. Tomei responded that the bid request was issued on 30 June with a deadline of 6 July, however this was extended to 10 July. Ms. Fox suggested as an action item that IT work on the bidding schedules to allow more time to bid. She anticipated that the rate of response would improve with a longer deadline.

Ms. Finnegan reported that IT Corp. has made a conscious effort to allow more time for the bid process for the Parcel B-2 excavation work. They also placed notices in the San Francisco Chronicle and the Bay View newspaper for the benefit of local businesses. IT Corp. has already received several local bids.

Mr. Heagy suggested that IT identify a place to post contracts and a phone number so that people can call to get contracting information. Ms. Trombadore stated that she is always available at EPA for community members to contact and discuss concerns, but pointed out that she is not an expert on contracting. She also noted that the RAC II has already been negotiated and awarded, but that she would offer to work with the Navy to bring information regarding this contract back to the RAB. She added that, in her opinion, IT Corp. has done a very good job compared to other contractors, in reaching out to the local community. She noted that the discussion has been good and has identified some ways to help IT extend their efforts, but that the RAB needs to help move things along from the Navy perspective, and not focus solely on IT.

Mr. Heagy stated that businesses in the HPS community should be informed of opportunities at other bases, as well, and suggested that a job forum be established. Ms. Trombadore stated that the Navy needs to take the lead on a task such as this.

Mr. Styles, subcontracting manager for IT Corp., reviewed some of his methods for building a database of local businesses, to include use of BDI's list, a CalTrans list of small, disadvantaged

businesses, the Internet, and newspaper solicitations.

A representative from S and S Trucking stated that all local trucking firms were contacted about the soil hauling work at Parcel B. Four of the companies have worked on the project, but under the umbrella of S and S Trucking.

Ms. Peterson stated that RAB members can help IT do a better job of community outreach, noting that it makes sense for IT to contact those from the area in which they want to do business. She added that there are other community organizations, in addition to the RAB, willing to provide assistance to IT.

Ms. Harrison noted the good suggestions that have come out of this meeting and stressed the need to work closer together to achieve goals. Mr. Brooks encouraged RAB members to sign up for the committee to work on these concerns, and thanked everyone for moving towards solutions.

#### **V. Recommended Agenda Items**

The RAB agreed to schedule the next meeting for Wednesday, 2 December to take the place of the 25 November and 23 December regularly scheduled meetings.

#### **Suggested Agenda Topics Include:**

- Parcel E FS
- IT Corp. report back to the RAB on percentage of work in dollars for HP businesses compared to the total dollar amount for small businesses (provided in writing, not as a presentation)
- additional information about the RAC II contract
- SAEJ update on the TAG
- report from Ray Thompkins on air samples taken in community near HPS (time allowing)

Ms. Peterson reminded the RAB about the health fair scheduled for Saturday, 21 November from 10:00 a.m. to 3:00 p.m.

Mr. Brooks adjourned the meeting at 7:52 p.m.

**ATTACHMENT A**  
**MEETING AGENDA**

AGENDA  
HUNTERS POINT SHIPYARD  
RESTORATION ADVISORY BOARD

DATE: October 28, 1998

LOCATION: SF City College  
2<sup>nd</sup> Floor  
1400 Evans Avenue  
San Francisco

- |      |  |
|------|--|
| 6:00 | 1. Call to Order and Announcements<br><br>(Upcoming Documents and Activities)  |
| 6:05 | 2. Community Co-chair Report<br><br>(An opportunity for the community Co-chairs to discuss information of interest to the RAB)   |
| 6:15 | 3. Update on Parcel B-1 Cleanup<br><br>(We will discuss the cleanup on Parcel B-1.)  |
| 6:25 | 4. Discussion of IT Subcontracting and Hiring<br><br>(IT Corp. and Navy Representatives will present and discuss IT Corp.'s subcontracting and hiring practices and their success at involving community firms in the cleanup at HPS.) |
| 7:15 | 5. Recommendations for Agenda Items for next RAB meeting and future field trips/activities   |
| 7:25 | 6. Adjourn   |

**ATTACHMENT B**

**RAB MEETING ATTENDANCE SHEETS**

**HUNTERS POINT SHIPYARD**  
**Restoration Advisory Board Meeting Attendance**

Date: Oct. 28, 1998

RAB MEMBER	Present	ALTERNATE	Present
Vanessa Banks			
Bernestine Beasley			
Bill Billotte			
Sy-Allen Browning			
Anthony Bryant			
Robert Christian			
Percy A. Coleman			
Therese Coleman			
Charles L. Dacus, Sr.	✓		
Alonzo L. Douglas			
Vida Edwards			
Janet Ellis			
Laurie Espinoza	la		
Manuel J. Ford	✓		
Jill Fox	✓		
Bonnie Fraenza			
Greg Freeman			
Silk V. T. Gaudin			
Michael Harris			
James A. Heagy	<del>✓</del>		
David E. Jackson			
ANNE HARRISON	H		

RAB MEMBER	Present	ALTERNATE	Present
Helen Jackson			
Henrietta Jones			
Doug Kern			
Anthony LaMell			
Scott Madison			
Mamie Matthews			
Khafra K. Omra Zeti			
Hali Papazian			
Dorothy Peterson	✓		
Rev. J.P. Pryor			
Christine Shirley			
Carol E. Tatum			
Leon Thibeaux			
Erlinda B. Villa	X		
Caroline Washington	X		
Mrs. Oceola Washington			
Gwendolyn Westbrook			
Nathanial White III			
Andre Williams			
Patricia Wright			
Mark Youngkin			
Jeft Young	/		
John C. Scott			
Patrick Brown	/		



REGULATORS	Present	Agency
Amy Brownell	<i>AB</i>	S.F. Dept. Of Public Health
John Chester		S.F. Dept. of Public Works, Site Assessment Remediation Division
Byron Rhett		S.F. Redevelopment Agency
Kenneth Shaw		U.S. Dept. of the Interior
Claire Trombadore	<i>CT</i>	U.S. EPA
Sheryl Lauth		U.S. EPA
Dr. Dan Stralka		U.S. EPA
Richard Hiatt		RWQCB
Mike Williams/Bettie Woods		BDI, Inc.
Valerie Heusinkveld		DTSC
U.S. NAVY		
Ryan Brooks <i>here</i>		Dir of Community Relations, EFA West
Cdr. Jim Gustafson		Bay Area Base Transition Coordinator
Michael McClelland		Navy Co-chair, EFA West
Bill Radzevich		EFA West
Luann Tetirick		EFA West
<i>Jill Finnegan</i>		<i>EFA West</i>
TETRA TECH EM INC.		
Stacey Lupton <i>here</i>		
Jim Sickles <i>here</i>		

GPI	Present	
Darlene Brown	DR	
Barry Gutierrez	BS	
Michael Williams (BDI)	MW	John Scott (BDI)
PUBLIC/GUESTS		Address/Phone
SANDS TRUCKING		P.O. BOX 282009 SF CA 94128 415-626-1123
DENNIS STYLES		IT CORP 925-372-4432
Don Mariani		IT Corp 925-372-9100
Joe Tomasi		IT Corp 925-372-9100
DAVID GAVRICH		ECDC 415-642-7170
Patrick Mann		" "
ALAN ANTZBERG		SAEJ 744 Lanes Ave 824-4102
ET 904		SF DPH 1311, CPC HAS 415-671-3121
George Perry - Briggs		951 Hudson St. (415) S.F. Ca. 94124 648-4222



November 25, 1998

Dear RAB Board Member,


I have been unable to bring together all of the pieces to arrange and hold the RAB meeting next week, so I have to cancel this meeting. The minutes for last month's meeting are enclosed. We will next meet at the regularly scheduled meeting on January 27<sup>th</sup>.

The documents for the delisting of Parcel A from the National Priorities List (NPL) have been sent for publication in the Federal Register and should be printed next week. The day they appear in the Federal register will start the 30 public comment period.

I will mail the information requested from IT Corp. on the percentage of work that has gone to Hunters Point businesses to RAB members next week.

I hope that you all have a wonderful Holiday Season.

Sincerely,

  
Michael McClelland  
Navy Co-chair